

Welcome to STN International! Enter x:x

LOGINID:sssptaul25rxt

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	Feb 24	PCTGEN now available on STN
NEWS	4	Feb 24	TEMA now available on STN
NEWS	5	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	6	Feb 26	PCTFULL now contains images
NEWS	7	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	8	Mar 24	PATDPAFULL now available on STN
NEWS	9	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	10	Apr 11	Display formats in DGENE enhanced
NEWS	11	Apr 14	MEDLINE Reload
NEWS	12	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	13	Jun 13	Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS	14	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS	15	Apr 28	RDISCLOSURE now available on STN
NEWS	16	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS	17	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS	18	May 15	Supporter information for ENCOMPAT and ENCOMPLIT updated
NEWS	19	May 19	Simultaneous left and right truncation added to WSCA
NEWS	20	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS	21	Jun 06	Simultaneous left and right truncation added to CBNB
NEWS	22	Jun 06	PASCAL enhanced with additional data
NEWS	23	Jun 20	2003 edition of the FSTA Thesaurus is now available
NEWS	24	Jun 25	HSDB has been reloaded
NEWS	25	Jul 16	Data from 1960-1976 added to RDISCLOSURE
NEWS	26	Jul 21	Identification of STN records implemented
NEWS	27	Jul 21	Polymer class term count added to REGISTRY
NEWS	28	Jul 22	INPADOC: Basic index (/BI) enhanced; Simultaneous Left and Right Truncation available
NEWS EXPRESS			April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation

of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:31:51 ON 04 AUG 2003

=> file reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 15:32:03 ON 04 AUG 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 3 AUG 2003 HIGHEST RN 560059-45-2

DICTIONARY FILE UPDATES: 3 AUG 2003 HIGHEST RN 560059-45-2

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STN Note 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s farnesol

L1 75 FARNESOL

=> s hexanoyl sphingosine

4609 HEXANOYL

365 SPHINGOSINE

L2 1 HEXANOYL SPHINGOSINE

(HEXANOYL(W) SPHINGOSINE)

=> d 12

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN

RN 124753-97-5 REGISTRY

CN Hexanamide, N-[(1S,2R,3E)-2-hydroxy-1-(hydroxymethyl)-3-heptadecenyl]-
(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Hexanamide, N-[2-hydroxy-1-(hydroxymethyl)-3-heptadecenyl]-,
[R-[R*,S*-(E)]]-

OTHER NAMES:

CN C6-Ceramide

CN N-Caproyl-C18-sphingosine

CN **N-Hexanoylsphingosine**

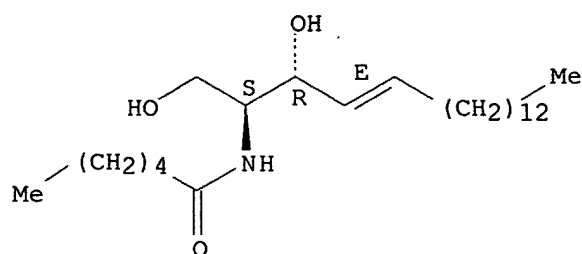
FS STEREOSEARCH

MF C24 H47 N O3

SR CA

LC STN Files: BIOSIS, CA, CAPLUS, CHEMCATS, CSCHEM, TOXCENTER, USPATFULL

Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

120 REFERENCES IN FILE CA (1947 TO DATE)
123 REFERENCES IN FILE CAPLUS (1947 TO DATE)

=> s oleoyl betaine

672 OLEOYL

838 BETAINE

L3 0 OLEOYL BETAINE

(OLEOYL(W) BETAINE)

=> s ursolic acid

56 URSOLIC

6009361 ACID

L4 55 URSOLIC ACID

(URSOLIC(W) ACID)

=> d 14 53 54 55

L4 ANSWER 53 OF 55 REGISTRY COPYRIGHT 2003 ACS on STN

RN 990-89-6 REGISTRY

CN Urs-12-en-28-oic acid, 3-(acetyloxy)-, methyl ester, (3.beta.)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Urs-12-en-28-oic acid, 3.beta.-hydroxy-, methyl ester, acetate (6CI, 7CI, 8CI)

OTHER NAMES:

CN **3-O-Acetylursolic acid methyl ester**

CN Methyl 3-O-acetylursolate

CN Methyl 3.beta.-acetoxyurs-12-en-28-oate

CN Methyl ursolate acetate

CN **Ursolic acid acetate methyl ester**

CN **Ursolic acid methyl ester acetate**

FS STEREOSEARCH

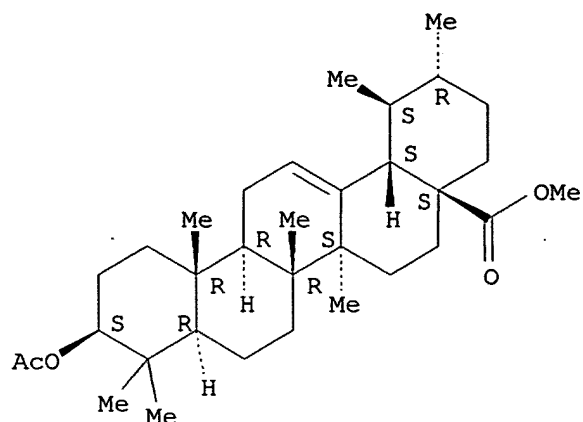
DR 6159-63-3

MF C33 H52 O4

LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, NAPRALERT, SPECINFO, TOXCENTER

(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

74 REFERENCES IN FILE CA (1947 TO DATE)
 74 REFERENCES IN FILE CAPLUS (1947 TO DATE)
 19 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L4 ANSWER 54 OF 55 REGISTRY COPYRIGHT 2003 ACS on STN

RN 989-30-0 REGISTRY

CN Urs-12-en-28-oic acid, 3-hydroxy-, (3.alpha.)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Urs-12-en-28-oic acid, 3.alpha.-hydroxy- (8CI)

OTHER NAMES:

CN .alpha.-Ursolic acid

CN 3-*epi*-Ursolic acid

CN 3-Epiursolic acid

CN Morinoursolic acid A

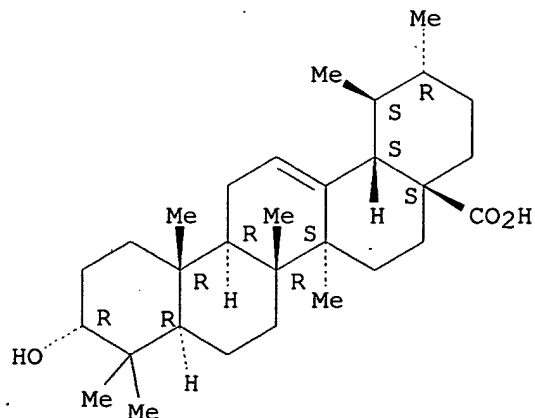
FS STEREOSEARCH

MF C30 H48 O3

LC STN Files: BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT,
 CHEMINFORMRX, NAPRALERT, TOXCENTER

(*File contains numerically searchable property data)

Absolute stereochemistry.

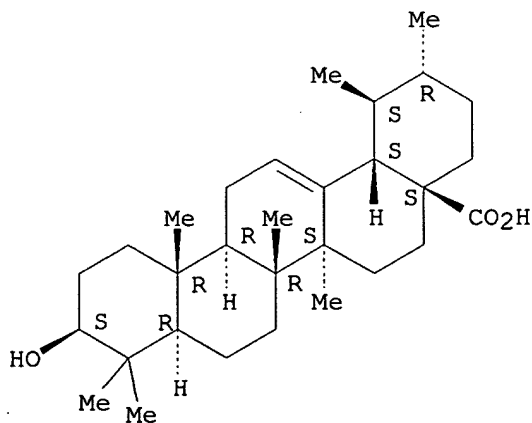


****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

27 REFERENCES IN FILE CA (1947 TO DATE)
27 REFERENCES IN FILE CAPLUS (1947 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L4 ANSWER 55 OF 55 REGISTRY COPYRIGHT 2003 ACS on STN
RN 77-52-1 REGISTRY
CN Urs-12-en-28-oic acid, 3-hydroxy-, (3.beta.)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Urs-12-en-28-oic acid, 3.beta.-hydroxy- (8CI)
OTHER NAMES:
CN **(+)-Ursolic acid**
CN **.beta.-Ursolic acid**
CN 3.beta.-Hydroxyurs-12-en-28-oic acid
CN Bungeolic acid
CN Malol
CN Merotaine
CN Prunol
CN **Ursolic acid**
CN Urson
FS STEREOSEARCH
DR 209545-05-1
MF C30 H48 O3
CI COM
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*,
BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS,
CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHM, DDFU, DETHERM*,
DRUGU, EMBASE, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*,
NAPRALERT, PROMT, RTECS*, SPECINFO, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry. Rotation (+).



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

1703 REFERENCES IN FILE CA (1947 TO DATE)
28 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1704 REFERENCES IN FILE CAPLUS (1947 TO DATE)
18 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s ionone

L5 165 IONONE

=> d 15 163 164 165

L5 ANSWER 163 OF 165 REGISTRY COPYRIGHT 2003 ACS on STN

RN 79-70-9 REGISTRY

CN 3-Buten-2-one, 4-(2,5,6,6-tetramethyl-1-cyclohexen-1-yl)- (7CI, 8CI, 9CI)
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN .beta.-Ionone, 6-methyl- (6CI)

OTHER NAMES:

CN .beta.-Irene

CN 4-(2,5,6,6-Tetramethyl-1-cyclohexen-1-yl)-3-buten-2-one

CN 6-Methyl-.beta.-ionone

FS 3D CONCORD

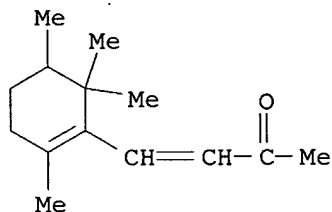
MF C14 H22 O

LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CSChem, HODOC*, IFICDB, IFIUDb, MRCK*,
NAPRALERT, SPECINFO, TOXCENTER, USPATFULL

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

97 REFERENCES IN FILE CA (1947 TO DATE)

2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

97 REFERENCES IN FILE CAPLUS (1947 TO DATE)

13 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L5 ANSWER 164 OF 165 REGISTRY COPYRIGHT 2003 ACS on STN

RN 79-69-6 REGISTRY

CN 3-Buten-2-one, 4-(2,5,6,6-tetramethyl-2-cyclohexen-1-yl)- (7CI, 9CI) (CA
INDEX NAME)

OTHER CA INDEX NAMES:

CN .alpha.-Ionone, methyl- (6CI)

OTHER NAMES:

CN .alpha.-Ionone, 6-methyl-

CN .alpha.-Irene

CN 4-(2,5,6,6-Tetramethyl-2-cyclohexen-1-yl)-3-butene-2-one

CN 6-Methyl-.alpha.-ionone

CN Methyl-.alpha.-ionone

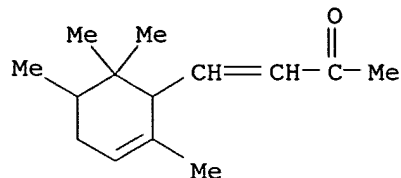
FS 3D CONCORD

DR 54082-69-8

MF C14 H22 O

LC STN Files: AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS,
CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSChem, HODOC*,

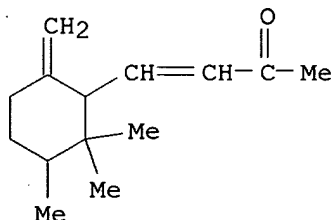
IFICDB, IFIPAT, IFIUDB, MRCK*, NAPRALERT, PROMT, RTECS*, SPECINFO,
 TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

195 REFERENCES IN FILE CA (1947 TO DATE)
 5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 195 REFERENCES IN FILE CAPLUS (1947 TO DATE)
 19 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L5 ANSWER 165 OF 165 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 79-68-5 REGISTRY
 CN 3-Buten-2-one, 4-(2,2,3-trimethyl-6-methylenecyclohexyl)- (7CI, 8CI, 9CI)
 (CA INDEX NAME)
 OTHER NAMES:
 CN .gamma.-Irone
 CN 4-(2,2,3-Trimethyl-6-methylenecyclohexyl)-3-buten-2-one
 CN **6-Methyl-.gamma.-ionone**
 FS 3D CONCORD
 MF C14 H22 O
 LC STN Files: AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS,
 CHEMLIST, IFICDB, IFIUDB, MRCK*, NAPRALERT, SPECINFO, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

41 REFERENCES IN FILE CA (1947 TO DATE)
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 41 REFERENCES IN FILE CAPLUS (1947 TO DATE)
 3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s utrect-2
 0 UTRECT
 15555889 2

L6 0 UTRECT-2
 (UTRECT(W)2)

=> s utrecht 2
 31 UTRECHT
 15555889 2

L7 1 UTRECHT 2
 (UTRECHT(W)2)

=> d 17

L7 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
RN 386704-13-8 REGISTRY
CN **Utrecht 2 (9CI)** (CA INDEX NAME)
ENTE Unspecified fatty acid amides surfactant
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

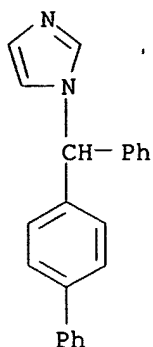
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
 6 REFERENCES IN FILE CA (1947 TO DATE)
 6 REFERENCES IN FILE CAPLUS (1947 TO DATE)

=> s bifonazole
L8 5 BIFONAZOLE

=> d 18 5

L8 ANSWER 5 OF 5 REGISTRY COPYRIGHT 2003 ACS on STN
RN 60628-96-8 REGISTRY
CN 1H-Imidazole, 1-([1,1'-biphenyl]-4-ylphenylmethyl)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN **(.+-.)-Bifonazole**
CN A-One-L
CN Amycor
CN Azolmen
CN BAY-h 4502
CN Bedriol
CN Bifazol
CN **Bifonazole**
CN Mycospor
CN Mycosporan
CN Trifonazole
DR 162824-44-4
MF C22 H18 N2
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST,
 CIN, DDFU, DRUGPAT, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE,
 MRCK*, PHAR, PHARMASEARCH, PROMT, RTECS*, SYNTHLINE, TOXCENTER, USAN,
 USPAT2, USPATFULL

 (*File contains numerically searchable property data)
Other Sources: EINECS**, WHO
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

313 REFERENCES IN FILE CA (1947 TO DATE)

7 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

314 REFERENCES IN FILE CAPLUS (1947 TO DATE)

=> s clotrimazole

L9 6 CLOTRIMAZOLE

=> d 19 6

L9 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2003 ACS on STN

RN 23593-75-1 REGISTRY

CN 1H-Imidazole, 1-[(2-chlorophenyl)diphenylmethyl]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Imidazole, 1-(o-chloro-.alpha.,.alpha.-diphenylbenzyl)- (8CI)

OTHER NAMES:

CN 1-(o-Chlorophenyldiphenylmethyl)imidazole

CN 1-(o-Chlorotrityl)imidazole

CN 1-[(2-Chlorophenyl)diphenylmethyl]-1H-imidazole

CN BAY 5097

CN BAY 5907

CN BAY-B 5097

CN Canesten

CN Canifug

CN **Clotrimazole**

CN Desamix F

CN Diphenyl(2-chlorophenyl)(1-imidazolyl)methane

CN Empecid

CN Femcare

CN Gyne-Lotrimin

CN Lotrimin

CN Lotrimin AF Cream

CN Lotrimin AF Solution

CN Lotrimin Jock-Itch Cream

CN Lotrimin Jock-Itch Lotion

CN Monobaycuten

CN Mycelex

CN Mycelex 7

CN Mycelex G

CN Mycelex OTC

CN Mycelex Troche

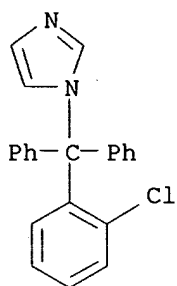
CN Mycofug

CN Mycosporin

CN NSC 257473

CN Pedisafe

CN Rimazole
 CN Tibatin
 CN Trimysten
 CN Veltrim
 DR 117829-71-7
 MF C22 H17 Cl N2
 CI COM
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*,
 BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT,
 CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DIOGENES, DRUGNL,
 DRUGPAT, DRUGU, DRUGUPDATES, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA,
 MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PHAR, PHARMASEARCH, PROMT, RTECS*,
 SPECINFO, TOXCENTER, USAN, USPAT2, USPATFULL, VETU
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, WHO
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1449 REFERENCES IN FILE CA (1947 TO DATE)
 23 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1450 REFERENCES IN FILE CAPLUS (1947 TO DATE)

=> d econazole

'ECONAZOLE' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
 SAM - Index Name, MF, and structure - no RN
 FIDE - All substance data, except sequence data
 IDE - FIDE, but only 50 names
 SQIDE - IDE, plus sequence data
 SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
 SQD - Protein sequence data, includes RN
 SQD3 - Same as SQD, but 3-letter amino acid codes are used
 SQN - Protein sequence name information, includes RN

 CALC - Table of calculated properties
 EPROP - Table of experimental properties
 PROP - EPROP and CALC

Any CA File format may be combined with any substance format to

obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS --ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):bib
'BIB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data
IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
EPROP - Table of experimental properties
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract

APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS --ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

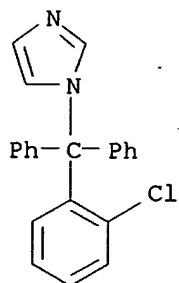
HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):ide

L9 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2003 ACS on STN
RN 125695-30-9 REGISTRY
CN 1H-Imidazole, 1-[(2-chlorophenyl)diphenylmethyl]-, mixt. with silver(1+)
nitrate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Nitric acid silver(1+) salt, mixt. contg. (9CI)
OTHER NAMES:
CN Clotrimazole-silver nitrate mixt.
MF C22 H17 Cl N2 . Ag . H N O3
CI MXS
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

CM 1

CRN 23593-75-1

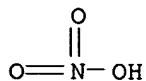
CMF C22 H17 Cl N2



CM 2

CRN 7761-88-8 (7697-37-2)

CMF Ag . H N O3



Ag(I)

1 REFERENCES IN FILE CA (1947 TO DATE)

1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

=> ketoconazole

KETOCONAZOLE IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter "HELP COMMANDS" at an arrow prompt (=>).

=> s ketoconazole

L10 5 KETOCONAZOLE

=> d l10 5

L10 ANSWER 5 OF 5 REGISTRY COPYRIGHT 2003 ACS on STN

RN 65277-42-1 REGISTRY

CN Piperazine, 1-acetyl-4-[4-[[2-(2,4-dichlorophenyl)-2-(1H-imidazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]-, rel- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Piperazine, 1-acetyl-4-[4-[[2-(2,4-dichlorophenyl)-2-(1H-imidazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]-, cis-

OTHER NAMES:

CN (.+-.)-Ketoconazole

CN 34: PN: US20030109453 SEQID: 33 claimed sequence

CN Fungarest

CN Fungoral

CN Ketoconazole

CN Ketoderm

CN Ketoisdin

CN Nizoral

CN Nizral

CN Orifungal M

CN Panfungol

CN R 41400

FS STEREOSEARCH

DR 72093-26-6

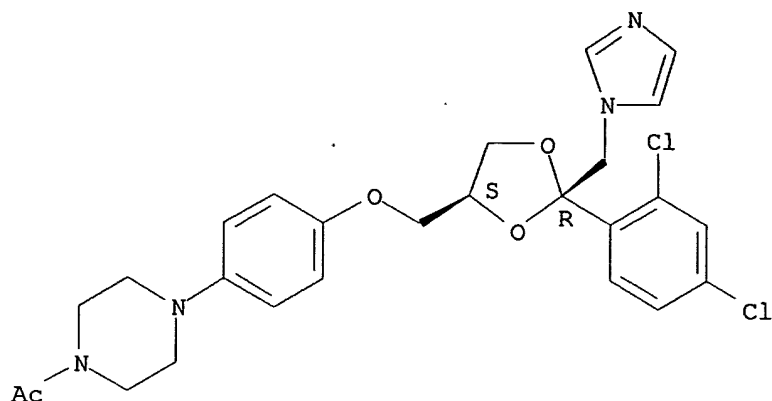
MF C26 H28 Cl2 N4 O4

CI COM

LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DIOGENES, DRUGPAT, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PHAR, PHARMASEARCH, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL, VETU

(*File contains numerically searchable property data)
Other Sources: EINECS**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2375 REFERENCES IN FILE CA (1947 TO DATE)
40 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2377 REFERENCES IN FILE CAPLUS (1947 TO DATE)

=> s miconazole

L11 15 MICONAZOLE

=> d l11 15

L11 ANSWER 15 OF 15 REGISTRY COPYRIGHT 2003 ACS on STN

RN 22832-87-7 REGISTRY

CN 1H-Imidazole, 1-[2-(2,4-dichlorophenyl)-2-[(2,4-dichlorophenyl)methoxy]ethyl]-, mononitrate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Imidazole, 1-[2,4-dichloro-.beta.-[(2,4-dichlorobenzyl)oxy]phenethyl]-, mononitrate (8CI)

OTHER NAMES:

CN (.-.-)-Miconazole nitrate

CN Aflorix

CN Albistat

CN Andergin

CN Antifungal Cream

CN Brentan

CN Conoderm

CN Conofite

CN Daktacort

CN Daktar

CN Daktarin

CN Daktarin talc

CN Deralbine

CN Dermonistat

CN Ecobi

CN Epi-Monistat

CN Florid

CN Fungiderm

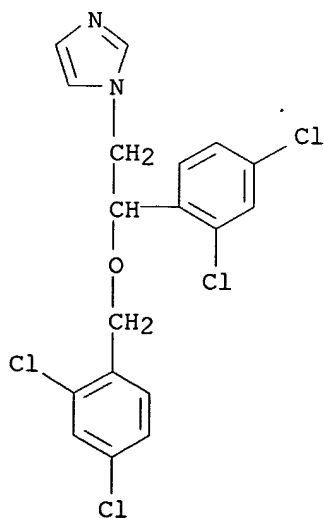
CN Fungisdin

CN Gyno-Daktarin
 CN Gyno-Monistat
 CN Hi-Pick
 CN Loptrimin AF Jock-Itch Powder Aerosol
 CN Lotrimin AF Powder
 CN Lotrimin AF Powder Aerosol
 CN Lotrimin AF Spray Liquid
 CN Micatin
 CN Miconal
 CN **Miconazole nitrate**
 CN Micotef
 CN Monistat
 CN Monistat Cream and Suppositories
 CN Monistat-Derm
 CN NSC 169434
 CN Prilagin
 CN R 14889
 CN Vodol
 CN Zeasorb AF
 CN [2,4-Dichloro-.beta.-(2,4-dichlorobenzyloxy)phenethyl]imidazole nitrate
 DR 75319-48-1
 MF C18 H14 Cl4 N2 O . H N O3
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CABA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX,
 CHEMLIST, CIN, CSCHEM, DIOGENES, DRUGPAT, EMBASE, IFICDB, IFIPAT,
 IFIUDB, IPA, MEDLINE, MRCK*, PHAR, PHARMASEARCH, PROMT, RTECS*,
 TOXCENTER, USAN, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**
 (**Enter CHEMLIST File for up-to-date regulatory information)

CM 1

CRN 22916-47-8

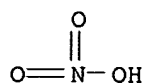
CMF C18 H14 Cl4 N2 O



CM 2

CRN 7697-37-2

CMF H N O3



301 REFERENCES IN FILE CA (1947 TO DATE)
6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
302 REFERENCES IN FILE CAPLUS (1947 TO DATE)

=> s daizedein
L12 0 DAIZEDEIN

=> s daidzein
L13 51 DAIDZEIN

=> d 113 51

L13 ANSWER 51 OF 51 REGISTRY COPYRIGHT 2003 ACS on STN
RN 485-63-2 REGISTRY
CN 4H-1-Benzopyran-4-one, 3-(3,4-dihydroxyphenyl)-7-hydroxy- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Isoflavone, 3',4',7-trihydroxy- (7CI, 8CI)

OTHER NAMES:

CN 3',4',7-Trihydroxyisoflavone

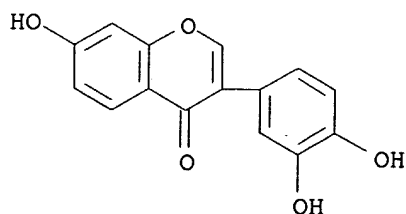
CN **3'-Hydroxydaidzein**

CN 7,3',4'-Trihydroxyisoflavone

FS 3D CONCORD

MF C15 H10 O5

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CSCHEM,
EMBASE, MEDLINE, NAPRALERT, TOXCENTER
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

35 REFERENCES IN FILE CA (1947 TO DATE)
35 REFERENCES IN FILE CAPLUS (1947 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

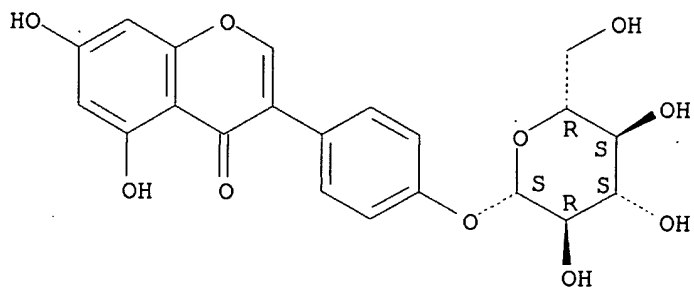
=> s genistein
L14 75 GENISTEIN

=> s 114 75
MISSING OPERATOR

=> d 114 75

L14 ANSWER 75 OF 75 REGISTRY COPYRIGHT 2003 ACS on STN
RN 152-95-4 REGISTRY
CN 4H-1-Benzopyran-4-one, 3-[4-(.beta.-D-glucopyranosyloxy)phenyl]-5,7-dihydroxy- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Sophoricoside (6CI, 7CI, 8CI)
OTHER NAMES:
CN 4',5,7-Trihydroxyisoflavone 4'-.beta.-D-glucopyranoside
CN 5',7'-Dihydroxy-4'-glucosyloxyisoflavone
CN **Genistein 4'-O-glucoside**
CN **Genistein, 4'-.beta.-D-glucopyranoside**
FS STEREOSEARCH
DR 100455-45-6
MF C21 H20 O10
LC STN Files: AGRICOLA, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CHEMCATS, DDFU, DRUGU, HODOC*, MRCK*, NAPRALERT, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

65 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
65 REFERENCES IN FILE CAPLUS (1947 TO DATE)
6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d his

(FILE 'HOME' ENTERED AT 15:31:51 ON 04 AUG 2003)

FILE 'REGISTRY' ENTERED AT 15:32:03 ON 04 AUG 2003

L1	75 S FARNESOL
L2	1 S HEXANOYL SPHINGOSINE
L3	0 S OLEOYL BETAINE
L4	55 S URSOLIC ACID
L5	165 S IONONE
L6	0 S UTRECT-2
L7	1 S UTRECHT 2
L8	5 S BIFONAZOLE
L9	6 S CLOTRIMAZOLE
L10	5 S KETOCONAZOLE
L11	15 S MICONAZOLE
L12	0 S DAIZEDEIN
L13	51 S DAIDZEIN
L14	75 S GENISTEIN

=> s phytoestrogen

L15 0 PHYTOESTRAGEN

=> e phytoestrogen

E1	4	PHYTOESTR/BI
E2	1	PHYTOESTRIN/BI
E3	3 -->	PHYTOESTROGEN/BI
E4	1	PHYTOFERMENTANS/BI
E5	1	PHYTOFERRO/BI
E6	1	PHYTOFERROLACTO/BI
E7	1	PHYTOFERROLACTOL/BI
E8	1	PHYTOFLAVIN/BI
E9	7	PHYTOFLU/BI
E10	1	PHYTOFLUEN/BI
E11	7	PHYTOFLUENE/BI
E12	1	PHYTOFLUENOL/BI

=> s e3

L16 3 PHYTOESTROGEN/BI

=> d l15 1-3

L15 HAS NO ANSWERS

L15 0 SEA FILE=REGISTRY PHYTOESTRAGEN

=> d l16 1-3

L16 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2003 ACS on STN

RN 351217-53-3 REGISTRY

CN **Spring Valley Phytoestrogen Complex (9CI)** (CA INDEX NAME)

ENTE A commercial isoflavone-containing food supplement (NaturPharma, American Fork, UT)

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

1 REFERENCES IN FILE CA (1947 TO DATE)

1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

L16 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2003 ACS on STN

RN 351217-07-7 REGISTRY

CN **Solaray PhytoEstrogen (9CI)** (CA INDEX NAME)

ENTE A commercial isoflavone-containing food supplement (Nutraceutical Corp., for Solaray, Inc., Park City, UT)

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

1 REFERENCES IN FILE CA (1947 TO DATE)

1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

L16 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2003 ACS on STN

RN 351216-82-5 REGISTRY

CN **Nature's Herbs Phytoestrogen Power (9CI)** (CA INDEX NAME)

ENTE A commercial isoflavone-containing food supplement (Alvita, American Fork, UT)

MF Unspecified

CI MAN
SR CA
LC STN Files: CA, CAPLUS

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

1 REFERENCES IN FILE CA (1947 TO DATE)

1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

=> file ca		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	126.06	126.27

FILE 'CA' ENTERED AT 15:42:33 ON 04 AUG 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 31 Jul 2003 VOL 139 ISS 6

FILE LAST UPDATED: 31 Jul 2003 (20030731/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s retinol
L17 10486 RETINOL

=> s glutamase transaminase
10 GLUTAMASE
19649 TRANSAMINASE
L18 0 GLUTAMASE TRANSAMINASE
(GLUTAMASE(W) TRANSAMINASE)

=> s glutamate transaminase
84484 GLUTAMATE
19649 TRANSAMINASE
L19 189 GLUTAMATE TRANSAMINASE
(GLUTAMATE(W) TRANSAMINASE)

=> s l19 and l17
L20 0 L19 AND L17

=> s transaminase
L21 19649 TRANSAMINASE

=> d l21 and l17
L17 IS NOT VALID HERE
For an explanation, enter "HELP DISPLAY".

=> s 121 and 117
L22 24 L21 AND L17

=> d 122 1-24

L22 ANSWER 1 OF 24 CA COPYRIGHT 2003 ACS on STN
AN 139:20692 CA
TI A Novel Nontruncating APOB Gene Mutation, R463W, Causes Familial
Hypobetalipoproteinemia
AU Burnett, John R.; Shan, Jing; Miskie, Brooke A.; Whitfield, Amanda J.;
Yuan, Jane; Tran, Khai; McKnight, C. James; Hegele, Robert A.; Yao, Zemin
CS Royal Perth Hospital and Department of Pathology, Department of Core
Clinical Pathology and Biochemistry, University of Western Australia,
Perth, WA 6847, Australia
SO Journal of Biological Chemistry (2003), 278(15), 13442-13452
CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English
RE.CNT 57 THERE ARE 57 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 2 OF 24 CA COPYRIGHT 2003 ACS on STN
AN 138:20443 CA
TI Endocrine disruptor screening using DNA chips of endocrine
disruptor-responsive genes
IN Kondo, Akihiro; Takeda, Takeshi; Mizutani, Shigetoshi; Tsujimoto,
Yoshimasa; Takashima, Ryokichi; Enoki, Yuki; Kato, Ikunoshin
PA Takara Bio Inc., Japan
SO Jpn. Kokai Tokkyo Koho, 386 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002355079	A2	20021210	JP 2002-69354	20020313
PRAI	JP 2001-73183	A	20010314		
	JP 2001-74993	A	20010315		
	JP 2001-102519	A	20010330		

L22 ANSWER 3 OF 24 CA COPYRIGHT 2003 ACS on STN
AN 137:324785 CA
TI Serum antioxidants and subsequent mortality rates of all causes or cancer
among rural Japanese inhabitants
AU Ito, Yoshinori; Suzuki, Koji; Suzuki, Sadao; Sasaki, Ryuichiro; Otani,
Motohiko; Aoki, Kunio
CS Department of Public Health, Fujita Health University School of Health
Sciences, Toyoake, Japan
SO International Journal for Vitamin and Nutrition Research (2002), 72(4),
237-250
CODEN: IJVNAP; ISSN: 0300-9831
PB Hogrefe & Huber Publishers
DT Journal
LA English
RE.CNT 65 THERE ARE 65 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 4 OF 24 CA COPYRIGHT 2003 ACS on STN
AN 137:246924 CA
TI Plant sterol ester-enriched spread lowers plasma total and LDL cholesterol
in children with familial hypercholesterolemia

AU Amundsen, Agot L.; Ose, Leiv; Nenseter, Marit S.; Ntanios, Fady Y.
 CS Lipid Clinic, National Hospital, Oslo, Norway
 SO American Journal of Clinical Nutrition (2002), 76(2), 338-344
 CODEN: AJCNAC; ISSN: 0002-9165
 PB American Society for Clinical Nutrition
 DT Journal
 LA English

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 5 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 136:354632 CA
 TI Effects of vitamin E and vitamin A supplementation on performance, thyroid
 status and serum concentrations of some metabolites and minerals in
 broilers reared under heat stress (32.degree.C)
 AU Sahin, N.; Sahin, K.; Kucuk, O.
 CS Veterinary Control and Research Institute of Ministry of Agriculture,
 Elazig, Turk.
 SO Veterinarni Medicina (Prague, Czech Republic) (2001), 46(11-12), 286-292
 CODEN: VTMDAR; ISSN: 0375-8427
 PB Ustav Zemedelskych a Potravinarskych Informaci
 DT Journal
 LA English

RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 6 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 135:314399 CA
 TI Detection of variations in the DNA methylation profile of genes in the
 determining the risk of disease
 IN Berlin, Kurt; Piepenbrock, Christian; Olek, Alexander
 PA Epigenomics A.-G., Germany
 SO PCT Int. Appl., 636 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN.CNT 68

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001077373	A2	20011018	WO 2001-DE1486	20010406
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 10019058	A1	20011220	DE 2000-10019058	20000406
WO 2001077373	A2	20011018	WO 2001-XA1486	20010406
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, CF, CG, CI, CM, GA, GW, ML, MR, NE, SN, TD, TG				
WO 2001077373	A2	20011018	WO 2001-XB1486	20010406
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				

CR, CU, CZ, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,
 ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,
 LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD,
 SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA,
 ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 CF, CG, CI, CM, GA, GW, ML, MR, NE, SN, TD, TG

EP 1274865 A2 20030115 EP 2001-953936 20010406
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

EP 1278892 A1 20030129 EP 2001-940158 20010406
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

PRAI DE 2000-10019058 A 20000406
 DE 2000-10019173 A 20000407
 DE 2000-10032529 A 20000630
 DE 2000-10043826 A 20000901
 WO 2001-DE1486 W 20010406
 WO 2001-EP3969 W 20010406

L22 ANSWER 7 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 133:176647 CA
 TI Nutritional effects of oral zinc supplementation in cirrhosis
 AU Bianchi, G. P.; Marchesini, G.; Brizi, Mara; Rossi, Brunella; Forlani, G.;
 Boni, Paola; Melchionda, N.; Thomaseth, K.; Pacini, G.
 CS Dipartimento di Medicina Interna and Cattedra di Malattie del Metabolismo,
 Universita di Bologna, Bologna, I-40138, Italy
 SO Nutrition Research (New York) (2000), 20(8), 1079-1089
 CODEN: NTRSDC; ISSN: 0271-5317
 PB Elsevier Science Inc.
 DT Journal
 LA English
 RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 8 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 130:13460 CA
 TI Supplementation of broiler diets with **retinol** acetate,
 .beta.-carotene or canthaxanthin: effect on vitamin status and oxidative
 status of broilers in vivo and on meat stability
 AU Jensen, Soren Krogh; Jensen, Claus; Jakobsen, Kirsten; Engberg, Ricarda
 M.; Andersen, Jens O.; Lauridsen, Charlotte; Sorensen, Poul; Skibsted,
 Leif H.; Bertelsen, Grete
 CS Dep. Nutrition, Danish Inst. Animal Science, Research Centre Foulum,
 Tjele, DK-8830, Den.
 SO Acta Agriculturae Scandinavica, Section A: Animal Science (1998), 48(1),
 28-37
 CODEN: ASSAEI; ISSN: 0906-4702
 PB Scandinavian University Press
 DT Journal
 LA English
 RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 9 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 127:258646 CA
 TI Gene specific universal mammalian sequence-tagged sites
 IN Brewer, George J.; Venta, Patrick J.; Yuzbasiyan-Gurkan, Vilma
 PA Regents of the University of Michigan, USA; Board of Trustees Operating
 Michigan State University; Brewer, George J.; Venta, Patrick J.;
 Yuzbasiyan-Gurkan, Vilma

SO PCT Int. Appl., 26 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9731012	A1	19970828	WO 1997-US2403	19970218
	W:	AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	AU 9719598	A1	19970910	AU 1997-19598	19970218
PRAI	US 1996-12061P	P	19960222		
	WO 1997-US2403	W	19970218		

L22 ANSWER 10 OF 24 CA COPYRIGHT 2003 ACS on STN

AN 127:175822 CA

TI Fish oil inhibits the acute induction of hypertriglyceridemia and liver enlargement by a single mega dose of retinyl palmitate in rats

AU Hwang, Deng-Fwu; Lin, Mei-Feng; Jeng, Sen-Shyong; Cheng, Hong-Ming

CS Dep. Marine Food Sci., Natl. Taiwan Ocean Univ., Chi-lung, 202, Taiwan

SO Zhonghua Minguo Yingyang Xuehui Zazhi (1997), 22(2), 131-143

CODEN: ZMYZEG; ISSN: 1011-6958

PB Nutrition Society in Taipei

DT Journal

LA English

L22 ANSWER 11 OF 24 CA COPYRIGHT 2003 ACS on STN

AN 127:160381 CA

TI Involvement of tumor necrosis factor-.alpha. in immunological liver injury in mice and its relation to hepatic macrophages

AU Wang, Gensheng; Zhang, Youhui; Liu, Gengtao

CS Institute of Materia Medica, Chinese Academy of Medical Sciences, Peking Union Medical College, Beijing, 100050, Peop. Rep. China

SO Zhongguo Yaolixue Yu Dulixue Zazhi (1996), 10(4), 255-259

CODEN: ZYYZEW; ISSN: 1000-3002

PB Zhongguo Yaolixue Yu Dulixue Zazhi Biarjibu

DT Journal

LA Chinese

L22 ANSWER 12 OF 24 CA COPYRIGHT 2003 ACS on STN

AN 126:126772 CA

TI Ursodeoxycholic acid improves the hepatic metabolism of essential fatty acids and **retinol** in children with cystic fibrosis

AU Lepage, Guy; Paradis, Khazal; Lacaille, Florence; Senechal, Lyne; Ronco, Nancy; Champagne, Josee; Lenaerts, Catherine; Roy, Claude C.;

Rasquin-Weber, Andree

CS Department of Pediatrics, Hopital Ste-Justine, Universite de Montreal, QC, Can.

SO Journal of Pediatrics (St. Louis) (1997), 130(1), 52-58

CODEN: JOPDAB; ISSN: 0022-3476

PB Mosby-Year Book

DT Journal

LA English

L22 ANSWER 13 OF 24 CA COPYRIGHT 2003 ACS on STN

AN 122:186172 CA

TI Spirulina platensis as **retinol** supplement for protection against
 hexachlorocyclohexane toxicity in rats
 AU Venkataraman, L. V.; Suvarnalatha, G.; Krishnakumari, M. K.; Joseph, Pius
 CS Central Food Technological Research Institute, Mysore, 570 013, India
 SO Journal of Food Science and Technology (1994), 31(5), 430-2
 CODEN: JFSTAB; ISSN: 0022-1155
 DT Journal
 LA English

L22 ANSWER 14 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 120:85377 CA
 TI Relationship between blood lead levels and serum .beta.-carotene levels in
 steel workers
 AU Ito, Yoshinori; Shinohara, Rikio; Niiya, Yoshihide; Morita, Mayumi
 CS Sch. Health Sci., Fujita Health Univ., Toyoake, 470-11, Japan
 SO Igaku to Seibutsugaku (1993), 127(1), 23-7
 CODEN: IGSBAL; ISSN: 0019-1604
 DT Journal
 LA Japanese

L22 ANSWER 15 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 116:148689 CA
 TI Dynamics of plasma nutrients and metabolites in molting macaroni (Eudyptes
 chrysolophus) and gentoo (Pygoscelis papua) penguins
 AU Ghebremeskel, K.; Williams, T. D.; Williams, G.; Gardner, D. A.; Crawford,
 M. A.
 CS Inst. Brain Chem. Hum. Nutr., Hackney Hosp., London, E9 6BE, UK
 SO Comparative Biochemistry and Physiology, Part A: Molecular & Integrative
 Physiology (1992), 101A(2), 301-7
 CODEN: CBPAB5; ISSN: 0300-9629
 DT Journal
 LA English

L22 ANSWER 16 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 115:273236 CA
 TI Chronic administration of ethanol with high vitamin A supplementation in a
 liquid diet to rats does not cause liver fibrosis. 2. Biochemical
 observations
 AU Seifert, W. F.; Bosma, A.; Hendriks, H. F. J.; Blaner, W. S.; Van Leeuwen,
 R. E. W.; Van Thiel-de Ruiter, G. C. F.; Wilson, J. H. P.; Knook, D. L.;
 Brouwer, A.
 CS Inst. Exp. Gerontol., TNO, Rijswijk, Neth.
 SO Journal of Hepatology (1991), 13(2), 249-55
 CODEN: JOHEEC; ISSN: 0168-8278
 DT Journal
 LA English

L22 ANSWER 17 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 114:244574 CA
 TI Plasma biochemistry of free-living giant tortoises (Geochelone gigantea)
 on Curieuse Island (Republic of Seychelles)
 AU Ghebremeskel, K.; Williams, G.; Spratt, D.; Samour, H. J.
 CS Inst. Zool., Zool. Soc. London, London, NW1 4RY, UK
 SO Comparative Biochemistry and Physiology, Part A: Molecular & Integrative
 Physiology (1991), 99A(1-2), 65-7
 CODEN: CBPAB5; ISSN: 0300-9629
 DT Journal
 LA English

L22 ANSWER 18 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 112:230823 CA
 TI Generation of a panel of somatic cell hybrids containing unselected

fragments of human chromosome 10 by X-ray irradiation and cell fusion:
application to isolating the MEN2A region in hybrid cells

AU Goodfellow, P. J.; Povey, S.; Nevanlinna, H. A.; Goodfellow, P. N.
CS Dep. Med. Genet., Univ. British Columbia, Vancouver, BC, V6T 1W5, Can.
SO Somatic Cell and Molecular Genetics (1990), 16(2), 163-71
CODEN: SCMGDN; ISSN: 0740-7750
DT Journal
LA English

L22 ANSWER 19 OF 24 CA COPYRIGHT 2003 ACS on STN
AN 103:213930 CA
TI Nutritional status in elderly population in kibbutzim
AU Havivi, Eliyahu; Levin, N.; Reshef, A.
CS Dep. Nutr., Minist. Health, Jerusalem, Israel
SO International Journal for Vitamin and Nutrition Research (1985), 55(3),
351-5
CODEN: IJVNAP; ISSN: 0300-9831
DT Journal
LA English

L22 ANSWER 20 OF 24 CA COPYRIGHT 2003 ACS on STN
AN 102:44814 CA
TI Vitamin status during puerperium and lactation
AU Dostalova, L.
CS Dep. Vitamin Nutr. Res., F. Hoffmann-La Roche und Co. Ltd., Basle,
CH-4002, Switz.
SO Annals of Nutrition & Metabolism (1984), 28(6), 385-408
CODEN: ANUMDS; ISSN: 0250-6807
DT Journal
LA English

L22 ANSWER 21 OF 24 CA COPYRIGHT 2003 ACS on STN
AN 99:37387 CA
TI Hepatic fibrosis after long-term administration of ethanol and moderate
vitamin A supplementation in the rat
AU Leo, Maria Anna; Lieber, Charles S.
CS Mount Sinai Sch. Med., Bronx VA Med. Cent., Bronx, NY, 10029, USA
SO Hepatology (Philadelphia, PA, United States) (1983), 3(1), 1-11
CODEN: HPTLD9; ISSN: 0270-9139
DT Journal
LA English

L22 ANSWER 22 OF 24 CA COPYRIGHT 2003 ACS on STN
AN 97:71263 CA
TI The vitamin status of Viennese school children, aged 11-12 years
AU Marktl, W.; Rudas, Barbara; Brubacher, G.
CS Inst. Med. Physiol., Vienna Univ., Vienna, Austria
SO International Journal for Vitamin and Nutrition Research (1982), 52(2),
197-205
CODEN: IJVNAP; ISSN: 0300-9831
DT Journal
LA English

L22 ANSWER 23 OF 24 CA COPYRIGHT 2003 ACS on STN
AN 96:121343 CA
TI Subacute toxicity studies of **retinol** acetate in rats
AU Ohno, Yuko; Takamura, Naoko; Kurokawa, Yuji; Hayashi, Yuzo
CS Div. Pathol., Natl. Inst. Hyg. Sci., Tokyo, 158, Japan
SO Iyakuin Kenkyu (1981), 12(4), 1064-81
CODEN: IYKEDH; ISSN: 0287-0894
DT Journal
LA Japanese

L22 ANSWER 24 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 90:135916 CA
 TI Plasma protein levels in cancers and malignant tumors. Analytical studies
 with brain tumors
 AU Hamano, Tomiaki; Motegi, Koki
 CS Cent. Clin. Lab., Tokyo Metrop. Komagome Hosp., Tokyo, Japan
 SO Rinsho Kagaku Shinpojumu (1978), Volume Date 1977, 17, 208
 CODEN: RKASDA; ISSN: 0386-3417
 DT Journal
 LA Japanese

=> e dermal

E1	1	DERMAINSPECT/BI
E2	2	DERMAITIS/BI
E3	11546 -->	DERMAL/BI
E4	1	DERMALAL/BI
E5	3	DERMALEPIDERMAL/BI
E6	1	DERMALEX/BI
E7	2	DERMALICHT/BI
E8	1	DERMALIN/BI
E9	1	DERMALITIDIS/BI
E10	1	DERMALIX/BI
E11	458	DERMALLY/BI
E12	1	DERMALN/BI

=> s e3-e11

	11546	DERMAL/BI
	1	DERMALAL/BI
	3	DERMALEPIDERMAL/BI
	1	DERMALEX/BI
	2	DERMALICHT/BI
	1	DERMALIN/BI
	1	DERMALITIDIS/BI
	1	DERMALIX/BI
	458	DERMALLY/BI
L23	11755	(DERMAL/BI OR DERMALAL/BI OR DERMALEPIDERMAL/BI OR DERMALEX/BI OR DERMALICHT/BI OR DERMALIN/BI OR DERMALITIDIS/BI OR DERMALIX/B I OR DERMALLY/BI)

=> d his

(FILE 'HOME' ENTERED AT 15:31:51 ON 04 AUG 2003)

FILE 'REGISTRY' ENTERED AT 15:32:03 ON 04 AUG 2003

L1	75	S FARNESOL
L2	1	S HEXANOYL SPHINGOSINE
L3	0	S OLEOYL BETAINE
L4	55	S URSOLIC ACID
L5	165	S IONONE
L6	0	S UTRECT-2
L7	1	S UTRECHT 2
L8	5	S BIFONAZOLE
L9	6	S CLOTRIMAZOLE
L10	5	S KETOCONAZOLE
L11	15	S MICONAZOLE
L12	0	S DAIZEDEIN
L13	51	S DAIDZEIN
L14	75	S GENISTEIN
L15	0	S PHYTOESTRAGEN
		E PHYTOESTROGEN

L16 3 S E3

FILE 'CA' ENTERED AT 15:42:33 ON 04 AUG 2003

L17 10486 S RETINOL
L18 0 S GLUTAMASE TRANSAMINASE
L19 189 S GLUTAMATE TRANSAMINASE
L20 0 S L19 AND L17
L21 19649 S TRANSAMINASE
L22 24 S L21 AND L17
E DERMAL
L23 11755 S E3-E11

=> s l1

L24 3285 L1

=> e phytoestrogen

E1 1 PHYTOESTROGENS/BI
E2 1 PHYTOESTRIN/BI
E3 962 --> PHYTOESTROGEN/BI
E4 1 PHYTOESTROGENEN/BI
E5 4 PHYTOESTROGENES/BI
E6 50 PHYTOESTROGENIC/BI
E7 2 PHYTOESTROGENICITY/BI
E8 1225 PHYTOESTROGENS/BI
E9 1 PHYTOESTROGENSS/BI
E10 1 PHYTOESTROGENTHERAPY/BI
E11 1 PHYTOESTRYL/BI
E12 1 PHYTOEVAPORATION/BI

=> s e3-e

'E' NOT FOUND

The E# entered is not currently defined.

=> s e3-e8

962 PHYTOESTROGEN/BI
1 PHYTOESTROGENEN/BI
4 PHYTOESTROGENES/BI
50 PHYTOESTROGENIC/BI
2 PHYTOESTROGENICITY/BI
1225 PHYTOESTROGENS/BI
L25 1454 (PHYTOESTROGEN/BI OR PHYTOESTROGENEN/BI OR PHYTOESTROGENES/BI
OR PHYTOESTROGENIC/BI OR PHYTOESTROGENICITY/BI OR PHYTOESTROGENS
/BI)

=> s l25 and l23

L26 1 L25 AND L23

=> e skin

E1 3 SKIMSTOCK/BI
E2 1 SKIMSTOCKS/BI
E3 184746 --> SKIN/BI
E4 1 SKIN1/BI
E5 1 SKIN19/BI
E6 30 SKIN2/BI
E7 3 SKIN2TM/BI
E8 2 SKIN2ZK/BI
E9 1 SKIN2ZK1301/BI
E10 1 SKINA/BI
E11 4 SKINAKAS/BI
E12 6 SKINATH/BI

=> s e3

L27 184746 SKIN/BI

=> s 127 and 125

L28 22 L27 AND L25

=> d 128 1-22

L28 ANSWER 1 OF 22 CA COPYRIGHT 2003 ACS on STN

AN 139:6149 CA

TI Dietary soy oil content and soy-derived **phytoestrogen** genistein increase resistance to alopecia areata onset in C3H/HeJ mice

AU McElwee, K. J.; Niiyama, S.; Freyschmidt-Paul, P.; Wenzel, E.; Kissling, S.; Sundberg, J. P.; Hoffmann, R.

CS Department of Dermatology, Philipp University, Marburg, 35033, Germany

SO Experimental Dermatology (2003), 12(1), 30-36

CODEN: EXDEEY; ISSN: 0906-6705

PB Blackwell Munksgaard

DT Journal

LA English

RE.CNT 64 THERE ARE 64 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 2 OF 22 CA COPYRIGHT 2003 ACS on STN

AN 138:378730 CA

TI **Phytoestrogens** regulate vitamin D metabolism in the mouse colon: relevance for colon tumor prevention and therapy

AU Kallay, Eniko; Adlercreutz, Herman; Farhan, Hesso; Lechner, Daniel; Bajna, Erika; Gerdenitsch, Waltraud; Campbell, Moray; Cross, Heide S.

CS Department of Pathophysiology, University of Vienna Medical School, Vienna, Austria

SO Journal of Nutrition (2002), 132(11S), 3490S-3493S

CODEN: JONUAI; ISSN: 0022-3166

PB American Society for Nutritional Sciences

DT Journal

LA English

RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 3 OF 22 CA COPYRIGHT 2003 ACS on STN

AN 137:216184 CA

TI food or feed composition improving age-related physiological deficits and increasing longevity in mammals

IN Malnoe, Armand; Pridmore-Merten, Sylvie

PA Societe des Produits Nestle S.A., Switz.

SO PCT Int. Appl., 22 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002071874	A2	20020919	WO 2002-EP2862	20020307
	WO 2002071874	A3	20030109		
	W:	AU, BR, CA, CN, CO, CR, CZ, DM, EC, HU, ID, IL, IN, JP, KR, LK, MA, MX, NO, NZ, PH, PL, SG, TN, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP	1238592	A1	20020911	EP 2001-200871	20010309
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			

PRAI EP 2001-200871 A 20010309

L28 ANSWER 4 OF 22 CA COPYRIGHT 2003 ACS on STN

AN 137:83426 CA

TI Skin care product containing retinoids and
phytoestrogens in a dual compartment package

IN Pillai, Sreekumar; Granger, Stewart Paton; Scott, Ian Richard; Pocalyko,
David Joseph

PA Unilever PLC, UK; Unilever N.V.; Hindustan Lever Limited

SO PCT Int. Appl., 22 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002053122	A2	20020711	WO 2001-EP14483	20011206
	WO 2002053122	A3	20021031		
	WO 2002053122	B1	20030220		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2002127255	A1	20020912	US 2001-36589	20011107
	US 6565864	B2	20030520		
PRAI	US 2000-258456P	P	20001228		

L28 ANSWER 5 OF 22 CA COPYRIGHT 2003 ACS on STN

AN 137:83423 CA

TI Skin care product containing retinoids, retinoid booster and
phytoestrogens in a dual compartment package

IN Pillai, Sreekumar; Granger, Stewart Paton; Scott, Ian Richard; Pocalyko,
David Joseph

PA Unilever P.L.C., UK; Unilever N.V.; Hindustan Lever Limited

SO PCT Int. Appl., 56 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002053108	A2	20020711	WO 2001-EP14486	20011206
	WO 2002053108	A3	20020926		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2002143059	A1	20021003	US 2001-3850	20011102
PRAI	US 2000-258457P	P	20001228		

L28 ANSWER 6 OF 22 CA COPYRIGHT 2003 ACS on STN

AN 136:345514 CA

TI Cosmetic compositions containing a matrix metalloproteinase inhibitor and estrogen
 IN Lerner, David S.; Schultz, Gregory
 PA USA
 SO U.S. Pat. Appl. Publ., 5 pp.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002054922	A1	20020509	US 2001-896566	20010629
PRAI	US 2000-215087P	P	20000629		

L28 ANSWER 7 OF 22 CA COPYRIGHT 2003 ACS on STN
 AN 136:335333 CA
 TI Estrogens and environmental estrogens
 AU Tapiero, H.; Ba, G. Nguyen; Tew, K. D.
 CS Laboratoire de Pharmacologie Cellulaire & Moleculaire, Universite de Paris Sud, Chatenay Malabry, 94200, Fr.
 SO Biomedicine & Pharmacotherapy (2002), 56(1), 36-44
 CODEN: BIPHEX; ISSN: 0753-3322
 PB Editions Scientifiques et Medicales Elsevier
 DT Journal; General Review
 LA English
 RE.CNT 115 THERE ARE 115 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 8 OF 22 CA COPYRIGHT 2003 ACS on STN
 AN 136:314998 CA
 TI Compositions for alleviating adverse side effects and/or enhancing efficacy of agents inhibiting aromatase
 IN Kragie, Laura
 PA USA
 SO PCT Int. Appl., 34 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002030355	A2	20020418	WO 2001-US32066	20011010
	WO 2002030355	A3	20030206		
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU	2002013198	A5	20020422	AU 2002-13198	20011010
PRAI	US 2000-239457P	P	20001011		
	WO 2001-US32066	W	20011010		

L28 ANSWER 9 OF 22 CA COPYRIGHT 2003 ACS on STN
 AN 136:284427 CA
 TI Oil in glycerin emulsion
 IN Friedman, Doron L.
 PA J.P.M.E.D. Ltd., Israel
 SO PCT Int. Appl., 25 pp.
 CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002024152	A2	20020328	WO 2001-IL826	20010902
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	EP 1320353	A2	20030625	EP 2001-965547	20010902
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
PRAI	IL 2000-138616	A	20000921		
	WO 2001-IL826	W	20010902		

L28 ANSWER 10 OF 22 CA COPYRIGHT 2003 ACS on STN
AN 136:236668 CA

TI New disperse cosmetic or hygienic preparations
IN Dampierou, Christian
PA C3d, Fr.
SO Fr. Demande, 12 pp.
CODEN: FRXXBL

DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2810540	A1	20011228	FR 2000-7944	20000621
PRAI	FR 2000-7944		20000621		

L28 ANSWER 11 OF 22 CA COPYRIGHT 2003 ACS on STN
AN 136:221543 CA

TI Cosmetic compositions containing matrix metalloproteinase inhibitor and estrogens
IN Lerner, David S.; Schultz, Gregory
PA Quick Med Technologies, Inc., USA; University of Florida Research Foundation, Inc.
SO PCT Int. Appl., 14 pp.
CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002019982	A2	20020314	WO 2001-US20945	20010629
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	AU 2001073115	A5	20020322	AU 2001-73115	20010629
PRAI	US 2000-215087P	P	20000629		

WO 2001-US20945 W 20010629

L28 ANSWER 12 OF 22 CA COPYRIGHT 2003 ACS on STN
AN 136:172773 CA
TI Organic nutrient for hair loss treatment
IN Zelickson, M. D. Brian D.
PA USA
SO PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002011675	A2	20020214	WO 2001-US25257	20010810
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRAI	US 2000-637097	A	20000810		
	US 2000-711172	A	20001109		

L28 ANSWER 13 OF 22 CA COPYRIGHT 2003 ACS on STN
AN 136:79236 CA
TI Transdermal absorption of **phytoestrogens**
AU Vanttinen, K.; Moravcova, J.
CS Department of Chemistry of Natural Compounds, Institute of Chemical Technology, Prague, 166 28/6, Czech Rep.
SO Pharmazie (2001), 56(9), 711-717
CODEN: PHARAT; ISSN: 0031-7144
PB Govi-Verlag Pharmazeutischer Verlag
DT Journal
LA English
RE.CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 14 OF 22 CA COPYRIGHT 2003 ACS on STN
AN 135:262021 CA
TI Antiwrinkle cosmetic composition containing crosslinked silicone elastomers
IN Anderson, Glen T.
PA Avon Products, Inc., USA
SO Eur. Pat. Appl., a6 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1136064	A2	20010926	EP 2001-106007	20010312
	EP 1136064	A3	20011017		
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
	CA 2341120	AA	20010921	CA 2001-2341120	20010316
	JP 2001294510	A2	20011023	JP 2001-79722	20010321
PRAI	US 2000-190988P	P	20000321		
	US 2000-195907P	P	20000410		

L28 ANSWER 15 OF 22 CA COPYRIGHT 2003 ACS on STN
 AN 135:163522 CA
 TI Effects of endocrine modulating substances on reproduction in the
 hermaphroditic snail *Lymnaea stagnalis* L
 AU Czech, P.; Weber, K.; Dietrich, D. R.
 CS Environmental Chemistry and Pharamanalytics Division, RCC Ltd., Itingen,
 CH-4452, Switz.
 SO Aquatic Toxicology (2001), 53(2), 103-114
 CODEN: AQTOGD; ISSN: 0166-445X
 PB Elsevier Science B.V.
 DT Journal
 LA English
 RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 16 OF 22 CA COPYRIGHT 2003 ACS on STN
 AN 135:141996 CA
 TI Cosmetic compositions containing resveratrol
 IN Carson, Robert George; Patel, Krupa; Carlomusto, Marieann; Bosko, Carol
 Annette; Pillai, Sreekumar; Santhanam, Uma; Weinkauff, Ronni Lynn; Iwata,
 Koichi; Palanker, Laura Rose
 PA Chesebrough-Pond's USA Co., Division of Conopco, USA
 SO U.S., 10 pp., Cont.-in-part of U.S. Ser. No. 900,795.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6270780	B1	20010807	US 1998-98121	19980616
	ZA 9806039	A	20000110	ZA 1998-6039	19980708
	TW 480178	B	20020321	TW 1998-87115185	19980911
PRAI	US 1997-900795	A2	19970725		

RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 17 OF 22 CA COPYRIGHT 2003 ACS on STN
 AN 135:50903 CA
 TI Cosmetic **skin** conditioning compositions containing red yeast
 rice extract
 IN Januario, Thomas Eugene; Santhanam, Uma; Pillai, Sreekumar; Mahajan,
 Manisha Narayan; Bajor, John Steven
 PA Unilever PLV, UK; Unilever NV; Hindustan Lever Limited
 SO PCT Int. Appl., 33 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001043711	A1	20010621	WO 2000-EP11355	20001113
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,				
	HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,				
	LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,				
	SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU,				
	ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,				
	DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,				
	BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

JP 2003516952 T2 20030520 JP 2001-544651 20001113
US 6395281 B1 20020528 US 2000-737072 20001214
US 2002041883 A1 20020411
PRAI US 1999-170669P P 19991214
WO 2000-EP11355 W 20001113

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 18 OF 22 CA COPYRIGHT 2003 ACS on STN

AN 134:371827 CA

TI Composition comprising ozonized oils and/or other ozonized natural and/or synthetic products and their use in pharmaceutical, cosmetic, dietetic or food supplement compositions in human and veterinary medicine

IN Gomez Moraleda, Manuel-antonio; Dall'aglio, Roberto; Melegari, Pierangelo
PA Spain

SO PCT Int. Appl., 33 pp.

CODEN: PIXXD2

DT Patent

LA Spanish

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001037829	A1	20010531	WO 2000-ES208	20000609
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	ES 2162586	A1	20011216	ES 1999-2602	19991125
	ES 2162586	B1	20020701		
	EP 1273295	A1	20030108	EP 2000-935232	20000609
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
	US 2003049333	A1	20030313	US 2002-155472	20020524
PRAI	ES 1999-2602	A	19991125		
	WO 2000-ES208	W	20000609		

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 19 OF 22 CA COPYRIGHT 2003 ACS on STN

AN 134:37563 CA

TI Administration of non-oral androgenic steroids to improve health in women with elevated SHBG levels or those receiving estrogen supplementation

IN Rosario-jansen, Theresa; Mazer, Norman A.

PA Watson Pharmaceuticals, Inc., USA

SO PCT Int. Appl., 46 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000076522	A1	20001221	WO 2000-US15834	20000609
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA,				

ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 EP 1189619 A1 20020327 EP 2000-939710 20000609
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO
 BR 2000011740 A 20020514 BR 2000-11740 20000609
 JP 2003505345 T2 20030212 JP 2001-502855 20000609
 US 6583129 B1 20030624 US 2000-591141 20000609
 NO 2001006046 A 20020206 NO 2001-6046 20011211
 PRAI US 1999-138851P P 19990611
 US 1999-138854P P 19990611
 US 1999-139323P P 19990611
 WO 2000-US15834 W 20000609
 RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 20 OF 22 CA COPYRIGHT 2003 ACS on STN
 AN 133:317131 CA
 TI **Phytoestrogen**, resveratrol and women's health
 AU Bagchi, Debasis; Preuss, Harry G.; Bagchi, Manashi; Stohs, Sidney J.
 CS Creighton University School of Pharmacy and Allied Health Professions, Omaha, NE, 68178, USA
 SO Research Communications in Pharmacology and Toxicology (2000), 5(1 & 2), 107-121
 CODEN: RCPTFY; ISSN: 1087-1101
 PB PJD Publications Ltd.
 DT Journal; General Review
 LA English
 RE.CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 21 OF 22 CA COPYRIGHT 2003 ACS on STN
 AN 133:242652 CA
 TI Pharmaceutical, dietetic and cosmetic compositions based on tioctic acid and cysteine
 IN Dall'aglio, Roberto; Borgonovo, Margherita; Introini, Carlo; Melegari, Pierangelo
 PA Uni-Ci S.R.L., Italy
 SO PCT Int. Appl., 48 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000053176	A1	20000914	WO 2000-EP1637	20000228
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG IT 1312377 B1 20020415 IT 1999-MI460 19990305 EP 1156802 A1 20011128 EP 2000-907644 20000228 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO EP 1072310 A3 20030108 EP 2000-113660 20000628				

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL
 PRAI IT 1999-MI460 A 19990305
 WO 2000-EP1637 W 20000228
 RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 22 OF 22 CA COPYRIGHT 2003 ACS on STN
 AN 130:158269 CA
 TI Cosmetic compositions containing resveratrol
 IN Carson, Robert George; Patel, Krupa; Carlomusto, Marieann; Bosko, Carol
 Annette; Pillai, Sreekumar
 PA Unilever PLC, UK; Unilever N.V.
 SO PCT Int. Appl., 36 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9904747	A2	19990204	WO 1998-EP4223	19980707
	WO 9904747	A3	19990408		
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9888584	A1	19990216	AU 1998-88584	19980707
	AU 730825	B2	20010315		
	EP 980235	A2	20000223	EP 1998-940171	19980707
	EP 980235	B1	20030528		
	R: CH, DE, ES, FR, GB, IT, LI				
	BR 9810810	A	20000912	BR 1998-10810	19980707
	JP 2001510777	T2	20010807	JP 2000-503809	19980707
	RU 2203036	C2	20030427	RU 2000-104879	19980707
	ZA 9806039	A	20000110	ZA 1998-6039	19980708
	TW 480178	B	20020321	TW 1998-87115185	19980911
	MX 200000493	A	20011009	MX 2000-493	20000113
PRAI	US 1997-900795	A	19970725		
	WO 1998-EP4223	W	19980707		

=> d 128 20 all

L28 ANSWER 20 OF 22 CA COPYRIGHT 2003 ACS on STN
 AN 133:317131 CA
 TI **Phytoestrogen**, resveratrol and women's health
 AU Bagchi, Debasis; Preuss, Harry G.; Bagchi, Manashi; Stohs, Sidney J.
 CS Creighton University School of Pharmacy and Allied Health Professions,
 Omaha, NE, 68178, USA
 SO Research Communications in Pharmacology and Toxicology (2000), 5(1 & 2),
 107-121
 CODEN: RCPTFY; ISSN: 1087-1101
 PB PJD Publications Ltd.
 DT Journal; General Review
 LA English
 CC 1-0 (Pharmacology)
 AB A review with 48 refs. **Phytoestrogens** are naturally occurring
 plant-derived non-steroidal compds. that are structurally or functionally

similar to steroidal estrogens produced by the body, such as estradiol. Various studies have demonstrated the health benefits of **phytoestrogens** in addressing the climacteric syndrome including vasomotor symptoms and postmenopausal health risks. Endometrial, breast and ovarian cancers are low in Asian cultures as the result of a diet rich in **phytoestrogens**. Estrogens are integral component of phys. and emotional well-being of women. Estrogens are essential for the development and function of female sex organs, as well as maintenance of bone strength, cardiovascular health and proper brain function. With advancing age, women produce less and less estrogen and experience midlife changes. A broad spectrum of evidence suggest that **phytoestrogen** supplementation offers a potential alternative or complement to conventional hormone replacement therapy (HRT) for osteoporosis prevention and other potential health benefits. Furthermore, **phytoestrogens** demonstrate anticarcinogenic and cardioprotective activities, as well as promote prostate health and bone formation. Conventional HRT drugs, esp. diethylstilbestrol (DES), have been demonstrated to cause serious side effects including stroke, gallbladder disease and certain types of cancer. Trans-Resveratrol is a powerful **phytoestrogen** found in grape **skin** and other plant foods as well as wine. Studies have shown that trans-resveratrol enhances estrogen metab. through the formation of a complex with estrogen receptors, and can help women maintain normal estrogenic activity, reduce hot flashes, balance mood swings, maintain healthy bone d., promote cardiovascular health and prevent the effects of premature aging.

ST review **phytoestrogen** resveratrol dietary estrogen cytoprotectant

IT Estrogens

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)

(dietary; **phytoestrogen**, resveratrol and women's health)

IT Cytoprotective agents

(**phytoestrogen**, resveratrol and women's health)

IT Estrogens

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(**phytoestrogens**; **phytoestrogen**, resveratrol and women's health)

IT Menopause

(postmenopause; **phytoestrogen**, resveratrol and women's health)

IT 501-36-0, Resveratrol

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(**phytoestrogen**, resveratrol and women's health)

RE.CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD

- (1) Albertazzi, P; Obstet Gynecol 1999, V94, P229 CA
- (2) Anderson, J; Nutr Res 1997, V17, P1617 CA
- (3) Arichi, H; Chem Pharm Bull 1982, V30, P1766 CA
- (4) Basly, J; Life Sci 2000, V66, P769 CA
- (5) Bertelli, A; Int J Tiss Reac 1995, V17, P1 CA
- (6) Brown, A; J Gen Intern Med 1999, V14, P663 MEDLINE
- (7) Brueggemeier, R; Principles of Medicinal Chemistry, Baltimore Fourth Edition 1995, P444
- (8) Calabrese, G; Drugs Exp Clin Res 1999, V25, P111 CA
- (9) Carranza-Lira, S; Int J Gynaecol Obstet 1999, V65, P35 CA
- (10) Chanvitayanpongs, S; Neuroreport 1997, V8, P1499
- (11) Chiechi, L; Int J Gynaecol Obstet 1999, V67, P39 CA
- (12) Chiechi, L; Minerva Ginecol 1999, V51, P343 MEDLINE
- (13) Crosignani, P; Hum Reprod Update 1999, V5, P681 CA
- (14) Dwyer, J; J Am Diet Assoc 1994, V94, P739 CA
- (15) Erlik, Y; Obstet Gynecol 1982, V59, P403 MEDLINE
- (16) Fankhauser, M; Pharmacotherapy: A pathophysiologic approach, Third Edition 1997, P1621

- (17) Frankel, E; The Lancet 1993, V341, P1103 MEDLINE
- (18) Gehm, B; Proc Natl Acad Sci USA 1997, V94, P14138 CA
- (19) Goldberg, D; Amer J Enol Vitic 1996, V46, P159
- (20) Hsieh, T; Int J Oncol 1999, V15, P245 CA
- (21) Jang, M; Science 1997, V275, P218 CA
- (22) Lauersen, N; Nurse Pract 1985, V10, P11 MEDLINE
- (23) Leather, A; Gynecol Endocrinol 1999, V13, P48 MEDLINE
- (24) Lissin, L; J Am Coll Cardiol 2000, V35, P1403 CA
- (25) Lu, R; J Cell Physiol 1999, V179, P297 CA
- (26) Messina, M; Am J Clin Nutr 1999, V70(Suppl 3), P439s
- (27) Mizutani, K; Biochem Biophys Res Commun 1998, V253, P859 CA
- (28) Mullins, P; Pharmacotherapy: A pathophysiologic approach, Third Edition 1997, P1635
- (29) Pace-Asciak, C; Clin Chim Acta 1995, V235, P207 CA
- (30) Pace-Asciak, C; Clin Chim Acta 1996, V246, P163 CA
- (31) Pedersen, B; Proc Nutr Soc 1999, V58, P733 MEDLINE
- (32) Peters, H; J Intern Med 1999, V246, P521 MEDLINE
- (33) Ramsey, L; Adv Nurse Pract 1999, V7, P26 MEDLINE
- (34) Reginster, J; J Clin Invest 1989, V83, P1073 MEDLINE
- (35) Rozenberg, S; Int J Fertil Womens Med 1999, V44, P241 CA
- (36) Sato, M; Free Rad Res 2000, V32, P135 CA
- (37) Sato, M; J Cardiovasc Pharmacol 2000, V35, P263 CA
- (38) Schairer, C; JAMA 2000, V283(26), P485
- (39) Schneider, H; Maturitas 1999, V33(Suppl 1), P25
- (40) Setchell, K; J Nutr 1999, V129, P758s CA
- (41) Shughrue, P; Front Neuroendocrinol 2000, V21, P95 CA
- (42) Szekacs, B; Menopause 2000, V7, P31 MEDLINE
- (43) Toth, M; Diabetes Care 2000, V23, P801 MEDLINE
- (44) Uhler, M; J Clin Endocrinol Metab 1998, V83, P410 CA
- (45) Vaillant, L; Therapie 1996, V51, P67 MEDLINE
- (46) Wakai, K; Japanese Nutr Cancer 1999, V33, P139 CA
- (47) Wells, G; Drugs Aging 1999, V15, P419 MEDLINE
- (48) Williams, C; The pharmacological basis of therapeutics, Ninth Edition 1996, P1411

=> s resveserol

L29 0 RESVESEROL

=> s resveratrol

L30 1408 RESVERATROL

=> s l30 and l23

L31 4 L30 AND L23

=> d k31 1-4

'K31' IS NOT A VALID FORMAT FOR FILE 'CA'

The following are valid formats:

ABS ----- GI and AB
 ALL ----- BIB, AB, IND, RE
 APPS ----- AI, PRAI
 BIB ----- AN, plus Bibliographic Data and PI table (default)
 CAN ----- List of CA abstract numbers without answer numbers
 CBIB ----- AN, plus Compressed Bibliographic Data
 DALL ----- ALL, delimited (end of each field identified)
 DMAX ----- MAX, delimited for post-processing
 FAM ----- AN, PI and PRAI in table, plus Patent Family data
 FBIB ----- AN, BIB, plus Patent FAM
 IND ----- Indexing data
 IPC ----- International Patent Classifications

MAX ----- ALL, plus Patent FAM, RE
 PATS ----- PI, SO
 SAM ----- CC, SX, TI, ST, IT
 SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
 SCAN must be entered on the same line as the DISPLAY,
 e.g., D SCAN or DISPLAY SCAN)
 STD ----- BIB, IPC, and NCL

 IABS ----- ABS, indented with text labels
 IALL ----- ALL, indented with text labels
 IBIB ----- BIB, indented with text labels
 IMAX ----- MAX, indented with text labels
 ISTD ----- STD, indented with text labels

 OBIB ----- AN, plus Bibliographic Data (original)
 OIBIB ----- OBIB, indented with text labels

 SBIB ----- BIB, no citations
 SIBIB ----- IBIB, no citations

 HIT ----- Fields containing hit terms
 HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)
 containing hit terms
 HITRN ----- HIT RN and its text modification
 HITSTR ----- HIT RN, its text modification, its CA index name, and
 its structure diagram
 HITSEQ ----- HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
 FHITSTR ----- First HIT RN, its text modification, its CA index name, and
 its structure diagram
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
 KWIC ----- Hit term plus 20 words on either side
 OCC ----- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field codes. For a list of the display field codes, enter HELP DFIELDS at an arrow prompt (=>). Examples of formats include: TI; TI,AU; BIB,ST; TI,IND; TI,SO. You may specify the format fields in any order and the information will be displayed in the same order as the format specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.
 ENTER DISPLAY FORMAT (BIB):bib

L31 ANSWER 1 OF 4 CA COPYRIGHT 2003 ACS on STN
 AN 138:281072 CA
 TI **Dermal** wound healing properties of redox-active grape seed
 proanthocyanidins
 AU Khanna, Savita; Venojarvi, Mika; Roy, Sashwati; Sharma, Nidhi; Trikha,
 Prashant; Bagchi, Debasis; Bagchi, Manashi; Sen, Chandan K.
 CS Heart and Lung Research Institute, Department of Surgery, Laboratory of
 Molecular Medicine, The Ohio State University Medical Center, Columbus,
 OH, USA
 SO Free Radical Biology & Medicine (2002), 33(8), 1089-1096
 CODEN: FRBMEH; ISSN: 0891-5849
 PB Elsevier Science Inc.
 DT Journal
 LA English
 RE.CNT 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 2 OF 4 CA COPYRIGHT 2003 ACS on STN
 AN 138:175521 CA
 TI Synergetic combination of natural antioxidants from grapes and use in
 cosmetic preparations
 IN Rull Prous, Santiago; Granolleras Castello, Anna; Alaoui Ismaili, Smail
 PA Cognis Iberia, S.L., Spain
 SO Eur. Pat. Appl., 20 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1284133	A1	20030219	EP 2001-119972	20010818
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	WO 2003015738	A1	20030227	WO 2002-EP8901	20020809
	W: AU, BR, CA, CN, JP, KR, US				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR				
PRAI	EP 2001-119972	A	20010818		

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 3 OF 4 CA COPYRIGHT 2003 ACS on STN
 AN 136:337601 CA
 TI Antimicrobial effect of **resveratrol** on dermatophytes and
 bacterial pathogens of the skin
 AU Chan, Marion Man-Ying
 CS Department of Microbiology and Immunology, Temple University School of
 Medicine, Philadelphia, PA, 19140, USA
 SO Biochemical Pharmacology (2002), 63(2), 99-104
 CODEN: BCPCA6; ISSN: 0006-2952
 PB Elsevier Science Inc.
 DT Journal
 LA English

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 4 OF 4 CA COPYRIGHT 2003 ACS on STN
 AN 135:298710 CA
 TI Upregulation of oxidant-induced VEGF expression in cultured keratinocytes
 by a grape seed proanthocyanidin extract
 AU Khanna, S.; Roy, S.; Bagchi, D.; Bagchi, M.; Sen, C. K.
 CS Department of Surgery, Laboratory of Molecular Medicine, The Ohio State
 University Medical Center, Columbus, OH, USA
 SO Free Radical Biology & Medicine (2001), 31(1), 38-42
 CODEN: FRBMEH; ISSN: 0891-5849
 PB Elsevier Science Inc.
 DT Journal
 LA English

RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 15:31:51 ON 04 AUG 2003)

FILE 'REGISTRY' ENTERED AT 15:32:03 ON 04 AUG 2003

L1 75 S FARNESOL
 L2 1 S HEXANOYL SPHINGOSINE
 L3 0 S OLEOYL BETAINE
 L4 55 S URSOLIC ACID
 L5 165 S IONONE
 L6 0 S UTRECT-2
 L7 1 S UTRECHT 2
 L8 5 S BIFONAZOLE
 L9 6 S CLOTRIMAZOLE
 L10 5 S KETOCONAZOLE
 L11 15 S MICONAZOLE
 L12 0 S DAIZEDEIN
 L13 51 S DAIDZEIN
 L14 75 S GENISTEIN
 L15 0 S PHYTOESTRAGEN
 E PHYTOESTROGEN
 L16 3 S E3

FILE 'CA' ENTERED AT 15:42:33 ON 04 AUG 2003

L17 10486 S RETINOL
 L18 0 S GLUTAMASE TRANSAMINASE
 L19 189 S GLUTAMATE TRANSAMINASE
 L20 0 S L19 AND L17
 L21 19649 S TRANSAMINASE
 L22 24 S L21 AND L17
 E DERMAL
 L23 11755 S E3-E11
 L24 3285 S L1
 E PHYTOESTROGEN
 L25 1454 S E3-E8
 L26 1 S L25 AND L23
 E SKIN
 L27 184746 S E3
 L28 22 S L27 AND L25
 L29 0 S RESVESEROL
 L30 1408 S RESVERATROL
 L31 4 S L30 AND L23

=> s 124 and 130

L32 0 L24 AND L30

=> e fungus

E1 2 FUNGURUME/BI
 E2 1 FUNGURUMI/BI
 E3 40001 --> FUNGUS/BI
 E4 2 FUNGUSAND/BI
 E5 15 FUNGUSES/BI
 E6 1 FUNGUSGROWTH/BI
 E7 1 FUNGUSHYDROLYZED/BI
 E8 1 FUNGUSI/BI
 E9 1 FUNGUSLACCARIA/BI
 E10 1 FUNGUSMYCELIA/BI
 E11 1 FUNGUSNEUTRAL/BI
 E12 1 FUNGUSPENICILLIUM/BI

=> s e3

L33 40001 FUNGUS/BI

=> s 133 and 130

L34 21 L33 AND L30

=> d 121 5-21

L21 ANSWER 5 OF 19649 CA COPYRIGHT 2003 ACS on STN
 AN 139:82559 CA
 TI Maternal electrolyte and liver function changes during pregnancy at high altitude
 AU Kametas, Nikos; McAuliffe, Fionnuala; Krampl, Elisabeth; Sherwood, Roy; Nicolaides, Kypros H.
 CS Harris Birthright Research Centre for Fetal Medicine, King's College Hospital, London, SE5 9RS, UK
 SO Clinica Chimica Acta (2003), 328(1-2), 21-29
 CODEN: CCATAR; ISSN: 0009-8981
 PB Elsevier Science Ltd.
 DT Journal
 LA English
 RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 6 OF 19649 CA COPYRIGHT 2003 ACS on STN
 AN 139:80547 CA
 TI An investigation of the role of vitamin E in the protection of mice against microcystin toxicity
 AU Gehringer, Michelle M.; Govender, Sharlene; Shah, Mrinal; Downing, Timothy G.
 CS Department of Biochemistry and Microbiology, University of Port Elizabeth, Port Elizabeth, 6000, S. Afr.
 SO Environmental Toxicology (2003), 18(2), 142-148
 CODEN: ETOXFH; ISSN: 1520-4081
 PB John Wiley & Sons, Inc.
 DT Journal
 LA English
 RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 7 OF 19649 CA COPYRIGHT 2003 ACS on STN
 AN 139:80523 CA
 TI Report of eight children with amitraz intoxication
 AU Caksen, Huseyin; Odabas, Dursun; Arslan, Sukru; Akgun, Cihangir; Atas, Bulent; Akbayram, Sinan; Tuncer, Oguz
 CS Department of Pediatrics, Faculty of Medicine, Yuzuncu Yil University, Van, 65300, Turk.
 SO Human & Experimental Toxicology (2003), 22(2), 95-97
 CODEN: HETOEA; ISSN: 0960-3271
 PB Arnold, Hodder Headline
 DT Journal
 LA English
 RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 8 OF 19649 CA COPYRIGHT 2003 ACS on STN
 AN 139:80491 CA
 TI Toxicological effects of .alpha.-Solamargine in experimental animals
 AU Al Chami, Lina; Mendez, Ramon; Chataing, Bernardo; O'Callaghan, James; Usubillaga, Alfredo; LaCruz, Luis
 CS Departamento de Biologia, Facultad de Ciencias, Universidad de Los Andes, Merida, Venez.
 SO Phytotherapy Research (2003), 17(3), 254-258
 CODEN: PHYREH; ISSN: 0951-418X
 PB John Wiley & Sons Ltd.
 DT Journal
 LA English
 RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 9 OF 19649 CA COPYRIGHT 2003 ACS on STN
AN 139:79440 CA
TI Interactions of taurine and structurally related analogues with the
GABAergic system and taurine binding sites of rabbit brain
AU Frosini, Maria; Sesti, Casilde; Dragoni, Stefania; Valoti, Massimo; Palmi,
Mitri; Dixon, Henry B. F.; Machetti, Fabrizio; Sgaragli, Giampietro
CS Istituto di Scienze Farmacologiche, Universita di Siena, Siena, 53100,
Italy
SO British Journal of Pharmacology (2003), 138(6), 1163-1171
CODEN: BJPCBM; ISSN: 0007-1188
PB Nature Publishing Group
DT Journal
LA English
RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 10 OF 19649 CA COPYRIGHT 2003 ACS on STN
AN 139:78918 CA
TI Comparison of treatment with fluvastatin extended-release 80-mg tablets
and immediate-release 40-mg capsules in patients with primary
hypercholesterolemia
AU Isaacsohn, Jonathan L.; LaSalle, James; Chao, George; Gonasun, Leonard
CS Metabolic and Atherosclerosis Research Center, Cincinnati, OH, USA
SO Clinical Therapeutics (2003), 25(3), 904-918
CODEN: CLTHDG; ISSN: 0149-2918
PB Excerpta Medica, Inc.
DT Journal
LA English
RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 11 OF 19649 CA COPYRIGHT 2003 ACS on STN
AN 139:78890 CA
TI Anti-diabetic activity of green tea polyphenols and their role in reducing
oxidative stress in experimental diabetes
AU Sabu, M. C.; Smitha, K.; Ramadasan, Kuttan
CS Amala Nagar, Amala Cancer Research Centre, Trichur, 680 553, India
SO Journal of Ethnopharmacology (2002), 83(1-2), 109-116
CODEN: JOETD7; ISSN: 0378-8741
PB Elsevier Science Ireland Ltd.
DT Journal
LA English
RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 12 OF 19649 CA COPYRIGHT 2003 ACS on STN
AN 139:68487 CA
TI Food restriction attenuates blood lipid peroxidation in carbon
tetrachloride-intoxicated rats
AU Ramkumar, K. M.; Rajesh, R.; Anuradha, C. V.
CS Faculty of Science, Department of Biochemistry, Annamalai University,
Tamil Nadu, India
SO Nutrition (New York, NY, United States) (2003), 19(4), 358-362
CODEN: NUTRER; ISSN: 0899-9007
PB Elsevier Science Inc.
DT Journal
LA English
RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 13 OF 19649 CA COPYRIGHT 2003 ACS on STN

AN 139:67571 CA
TI Interferon and ribavirin therapy for chronic hepatitis C virus genotype 6:
a comparison with genotype 1
AU Hui, Chee-Kin; Yuen, Man-Fung; Sablon, Erwin; Chan, Annie On-On; Wong,
Benjamin Chun-Yu; Lai, Ching-Lung
CS Department of Medicine, Queen Mary Hospital, The University of Hong Kong,
Hong Kong, Peop. Rep. China
SO Journal of Infectious Diseases (2003), 187(7), 1071-1074
CODEN: JIDIAQ; ISSN: 0022-1899
PB University of Chicago Press
DT Journal
LA English
RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 14 OF 19649 CA COPYRIGHT 2003 ACS on STN
AN 139:67157 CA
TI Prevalence of **transaminase** abnormalities in asymptomatic,
healthy subjects participating in an executive health-screening program
AU Patt, Cary H.; Yoo, Hwan Y.; Dibadj, Kourosh; Flynn, John; Thuluvath, Paul
J.
CS Department of Medicine, Johns Hopkins University School of Medicine,
Baltimore, MD, USA
SO Digestive Diseases and Sciences (2003), 48(4), 797-801
CODEN: DDSCDJ; ISSN: 0163-2116
PB Kluwer Academic/Plenum Publishers
DT Journal
LA English
RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 15 OF 19649 CA COPYRIGHT 2003 ACS on STN
AN 139:66743 CA
TI D-galactosamine induced hepatocyte apoptosis is inhibited in vivo and in
cell culture by a calcium calmodulin antagonist, chlorpromazine, and a
calcium channel blocker, verapamil
AU Tsutsui, Shigeki; Itagaki, Shin-ichi; Kawamura, Seiji; Harada, Ken-ichi;
Karaki, Hideaki; Doi, Kunio; Yoshikawa, Yasuhiro
CS Department of Biomedical Science, Graduate School of Agricultural and Life
Sciences, The University of Tokyo, Tokyo, 113-8657, Japan
SO Experimental Animals (2003), 52(1), 43-52
CODEN: JIDOAA; ISSN: 1341-1357
PB Japanese Association for Laboratory Animal Science
DT Journal
LA English
RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 16 OF 19649 CA COPYRIGHT 2003 ACS on STN
AN 139:65376 CA
TI Biochip which examines hepatic function by employing colorimetric method
AU Oki, Akio; Ogawa, Hiroki; Takamura, Yuzuru; Horiike, Yasuhiro
CS Department of Materials Engineering, The University of Tokyo, Tokyo,
113-8656, Japan
SO Japanese Journal of Applied Physics, Part 2: Letters (2003), 42(3B),
L342-L345
CODEN: JAPLD8
PB Japan Society of Applied Physics
DT Journal
LA English
RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 17 OF 19649 CA COPYRIGHT 2003 ACS on STN
AN 139:64579 CA
TI Comparative effect of benzanthrone and 3-bromobenzanthrone on hepatic
xenobiotic metabolism and anti-oxidative defense system in guinea pigs
AU Singh, Ravindra P.; Khanna, Raj; Kaw, Jawahar L.; Khanna, Subhash K.; Das,
Mukul
CS Department of Biochemistry, Lucknow University, Lucknow, India
SO Archives of Toxicology (2003), 77(2), 94-99
CODEN: ARTODN; ISSN: 0340-5761
PB Springer-Verlag
DT Journal
LA English
RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 18 OF 19649 CA COPYRIGHT 2003 ACS on STN
AN 139:64555 CA
TI GABAergic mechanisms of heroin-induced brain activation assessed with
functional MRI
AU Xi, Zheng-Xiong; Wu, Gaohong; Stein, Elliot A.; Li, Shi-Jiang
CS Biophysics Research Institute, Medical College of Wisconsin, Milwaukee,
WI, 53226, USA
SO Magnetic Resonance in Medicine (2002), 48(5), 838-843
CODEN: MRMEEN; ISSN: 0740-3194
PB Wiley-Liss, Inc.
DT Journal
LA English
RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 19 OF 19649 CA COPYRIGHT 2003 ACS on STN
AN 139:63251 CA
TI Comparison of hepatoprotective effects between ethanol and water extracts
of Yinchenhao Tang decoction in mice
AU Wang, Liqiang; Wang, Xijun
CS The 211th Hospital of PLA, Harbin, 150080, Peop. Rep. China
SO Zhongguo Yiyuan Yaoxue Zazhi (2002), 22(5), 263-264
CODEN: ZYYAEP; ISSN: 1001-5213
PB Zhongguo Yiyuan Yaoxue Zazhi Bianjibu
DT Journal
LA Chinese

L21 ANSWER 20 OF 19649 CA COPYRIGHT 2003 ACS on STN
AN 139:63212 CA
TI Preservation of neurological functions by nitric oxide synthase inhibitors
following hemorrhagic shock
AU Ng, Kian Chye; Moomhala, Shabbir M.; Md, Shirhan; Yap, Ee Lin; Low, Siew
Yang; Lu, Jia
CS Defense Science & Technology Agency, Defense Medical Research Institute,
Singapore, 117579, Singapore
SO Neuropharmacology (2003), 44(2), 244-252
CODEN: NEPHBW; ISSN: 0028-3908
PB Elsevier Science Ltd.
DT Journal
LA English
RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 21 OF 19649 CA COPYRIGHT 2003 ACS on STN
AN 139:63011 CA
TI Hemostatic effects of atorvastatin versus simvastatin

AU Kadikoylu, Gurhan; Yukselen, Vahit; Yavasoglu, Irfan; Bolaman, Zahit
CS Department of Internal Medicine, Division of Haematology-Oncology, Medical
School, Adnan Menderes University, Aydin, Turk.
SO Annals of Pharmacotherapy (2003), 37(4), 478-484
CODEN: APHRER; ISSN: 1060-0280
PB Harvey Whitney Books Co..
DT Journal
LA English

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s 1113

L113 NOT FOUND

The L-number entered has not been defined in this session, or it
has been deleted. To see the L-numbers currently defined in this
session, enter DISPLAY HISTORY at an arrow prompt (=>).

=> s 113

L35 2462 L13

=> s 114

L36 3825 L14

=> s 110

L37 2384 L10

=> s 19

L38 1454 L9

=> s 138 and 135

L39 2 L38 AND L35

=> d 139 1-2

L39 ANSWER 1 OF 2 CA COPYRIGHT 2003 ACS on STN

AN 136:314998 CA

TI Compositions for alleviating adverse side effects and/or enhancing
efficacy of agents inhibiting aromatase

IN Kragie, Laura

PA USA

SO PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002030355	A2	20020418	WO 2001-US32066	20011010
	WO 2002030355	A3	20030206		
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	AU 2002013198	A5	20020422	AU 2002-13198	20011010
PRAI	US 2000-239457P	P	20001011		
	WO 2001-US32066	W	20011010		

L39 ANSWER 2 OF 2 CA COPYRIGHT 2003 ACS on STN
 AN 130:77803 CA
 TI Biochemical properties of the products of cytochrome P450 genes (PDA) encoding pisatin demethylase activity in *Nectria haematococca*
 AU George, Helga L.; Hirschi, Kendal D.; VanEtten, Hans D.
 CS Department of Plant Pathology, University of Arizona, Tucson, AZ, 85721, USA
 SO Archives of Microbiology (1998), 170(3), 147-154
 CODEN: AMICCW; ISSN: 0302-8933
 PB Springer-Verlag
 DT Journal
 LA English
 RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 139 2 all

L39 ANSWER 2 OF 2 CA COPYRIGHT 2003 ACS on STN
 AN 130:77803 CA
 TI Biochemical properties of the products of cytochrome P450 genes (PDA) encoding pisatin demethylase activity in *Nectria haematococca*
 AU George, Helga L.; Hirschi, Kendal D.; VanEtten, Hans D.
 CS Department of Plant Pathology, University of Arizona, Tucson, AZ, 85721, USA
 SO Archives of Microbiology (1998), 170(3), 147-154
 CODEN: AMICCW; ISSN: 0302-8933
 PB Springer-Verlag
 DT Journal
 LA English
 CC 7-2 (Enzymes)
 Section cross-reference(s): 3, 10, 11
 AB Pea plants produce the antibiotic (+)pisatin in response to infection by the fungus *Nectria haematococca*, which can detoxify pisatin utilizing a cytochrome P 450 monooxygenase called pisatin demethylase. Genes (PDA) have been identified that encode different whole-cell Pda phenotypes that can be distinguished by the length of the lag period and the resulting amt. of enzyme activity produced: PdaSH = short lag, high activity; PdaSM = short lag, moderate activity; and PdaLL = long lag, low activity. Only the PdaSH and PdaSM phenotypes have been correlated with pathogenicity on pea. In this study, we utilize heterologous expression of the PDALL gene PDA6-1 in *Aspergillus nidulans* to compare the biochem. properties of the product of this gene with the products of the PDASH gene PDA1 expressed in *N. haematococca*. Preliminary measurements were also done on the PDASM gene PDA5 expressed in *N. haematococca*. The PDA gene products differed somewhat in their substrate specificity and in their sensitivity to a few cytochrome P 450 inhibitors. However, the enzymes produced by PDA6-1 and PDA1 both had low apparent Km values toward (+)pisatin (< 0.25 .mu.M) and a common high degree of insensitivity to most P 450 inhibitors, suggesting similar shared biochem. traits as would be expected of products of a highly homologous gene family. Our results indicate that the different whole-cell phenotypes of *N. haematococca* are not due to significant differences in the biochem. properties of the gene products and are consistent with recent results that indicate that the phenotypic differences are due to different degrees of expression of the genes.
 ST pisatin demethylase isoform gene *Nectria*
 IT Gene, microbial
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
 (PDA1; biochem. properties of the products of cytochrome P 450 genes (PDA) encoding pisatin demethylase activity in *Nectria haematococca*)
 IT Gene, microbial

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(PDA6-1; biochem. properties of the products of cytochrome P 450 genes (PDA) encoding pisatin demethylase activity in *Nectria haematococca*)

IT Michaelis constant

Nectria haematococca

(biochem. properties of the products of cytochrome P 450 genes (PDA) encoding pisatin demethylase activity in *Nectria haematococca*)

IT 51-03-6, Piperonyl butoxide 54-36-4, Metyrapone 62-68-0, SKF 525a
84-60-6, Anthraflavic acid 94-59-7, Safrole 111-86-4, n-Octylamine
533-31-3, Sesamol 12771-68-5, Ancyimidol **23593-75-1**,
Clotrimazole 25364-40-3, 1-(2-Isopropylphenyl)imidazole 26766-27-8,
Triarimol 35554-44-0, Imazalil 43121-43-3, Triadimephon 53848-03-6
55219-65-3, Triadimenol 60168-88-9, Fenarimol 60207-90-1,
Propiconazole 60207-93-4, Etaconazole 65277-42-1, Ketoconazole
84625-61-6, Itraconazole

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)

(biochem. properties of the products of cytochrome P 450 genes (PDA) encoding pisatin demethylase activity in *Nectria haematococca*)

IT 50-99-7, D-Glucose, biological studies 469-01-2, (+)Pisatin 1078-19-9,
6-Methoxy-1-tetralone **1157-39-7** 20186-22-5, (-)Pisatin
114817-69-5

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)

(biochem. properties of the products of cytochrome P 450 genes (PDA) encoding pisatin demethylase activity in *Nectria haematococca*)

IT 92228-37-0, Pisatin demethylase

RL: BAC (Biological activity or effector, except adverse); BPR (Biological process); BSU (Biological study, unclassified); MFM (Metabolic formation); PRP (Properties); BIOL (Biological study); FORM (Formation, nonpreparative); PROC (Process)

(isoforms PDALL and PDASH; biochem. properties of the products of cytochrome P 450 genes (PDA) encoding pisatin demethylase activity in *Nectria haematococca*)

RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Barrat, R; Genetics 1965, V52, P233
- (2) Ciuffetti, L; Mol Plant-Microbe Interact 1996, V9, P787
- (3) Covert, S; Mol Gen Genet 1996, V251, P397 CA
- (4) Delserone, L; Phytochemistry 1992, V31, P2933
- (5) Denny, T; Physiol Plant Pathol 1981, V19, P419 CA
- (6) Desjardins, A; Plant Physiol 1984, V75, P611 CA
- (7) Dewick, P; Phytochemistry 1977, V16, P93 CA
- (8) Gonzalez, F; Trends Genet 1990, V6, P182 MEDLINE
- (9) Hirschi, K; Mol Plant-Microbe Interact 1996, V9, P483 CA
- (10) Hirschi, K; PhD Thesis University of Arizona 1994
- (11) Kistler, H; J Gen Microbiol 1984, V130, P2595 CA
- (12) Lindbergh, R; Nature 1989, V339, P632
- (13) Mackintosh, S; Mol Plant-Microbe Interact 1989, V2, P354
- (14) Maloney, A; Mol Genet 1994, V243, P506 CA
- (15) Matthews, D; Arch Biochem Biophys 1983, V224, P494 CA
- (16) Miao, V; Appl Environ Microbiol 1992, V58, P801 CA
- (17) Murray, M; Pharmacol Rev 1990, V42, P85 CA
- (18) Negishi, M; FASEB J 1996, V10, P683 CA
- (19) Nelson, D; DNA Cell Biol 1993, V12, P1 CA
- (20) Paxton, J; Plant Dis 1980, V64, P734
- (21) Poland, A; J Pharm Exp Ther 1973, V184, P269 CA
- (22) Porter, T; J Biol Chem 1991, V266, P13469 CA
- (23) Preisig, C; Plant Physiol 1989, V91, P559 CA
- (24) Puepkke, S; Phytopathology 1976, V64, P1433
- (25) Reimann, C; Gene 1994, V146, P221 CA

- (26) Richardson, T; J Biol Chem 1994, V269, P23937 CA
- (27) Ruan, Y; Mol Gen Genet 1996, V250, P29 CA
- (28) Seghezzi, W; DNA Cell Biol 1992, V10, P767
- (29) Soby, S; Phytochemistry 1996, V41, P59
- (30) Straney, D; Mol Plant-Microbe Interact 1994, V7, P256 CA
- (31) Sweigard, J; Plant Physiol 1986, V80, P277 CA
- (32) VanEtten, H; Annu Rev Phytopathol 1989, V27, P143 CA
- (33) VanEtten, H; Arch Microbiol 1981, V129, P56 CA
- (34) VanEtten, H; Signal molecules in plants and plant-microbe interactions.
NATO ASI Series 1989, VH 36, P219
- (35) Weltring, K; Gene 1988, V68, P335 CA
- (36) Yoshida, Y; Cytochrome P450 biochemistry biophysics and molecular biology
1994, P627

=> d his

(FILE 'HOME' ENTERED AT 15:31:51 ON 04 AUG 2003)

FILE 'REGISTRY' ENTERED AT 15:32:03 ON 04 AUG 2003

L1	75 S FARNESOL
L2	1 S HEXANOYL SPHINGOSINE
L3	0 S OLEOYL BETAINE
L4	55 S URSOLIC ACID
L5	165 S IONONE
L6	0 S UTRECT-2
L7	1 S UTRECHT 2
L8	5 S BIFONAZOLE
L9	6 S CLOTRIMAZOLE
L10	5 S KETOCONAZOLE
L11	15 S MICONAZOLE
L12	0 S DAIZEDEIN
L13	51 S DAIDZEIN
L14	75 S GENISTEIN
L15	0 S PHYTOESTRAGEN E PHYTOESTROGEN
L16	3 S E3

FILE 'CA' ENTERED AT 15:42:33 ON 04 AUG 2003

L17	10486 S RETINOL
L18	0 S GLUTAMASE TRANSAMINASE
L19	189 S GLUTAMATE TRANSAMINASE
L20	0 S L19 AND L17
L21	19649 S TRANSAMINASE
L22	24 S L21 AND L17 E DERMAL
L23	11755 S E3-E11
L24	3285 S L1 E PHYTOESTROGEN
L25	1454 S E3-E8
L26	1 S L25 AND L23 E SKIN
L27	184746 S E3
L28	22 S L27 AND L25
L29	0 S RESVESEROL
L30	1408 S RESVERATROL
L31	4 S L30 AND L23
L32	0 S L24 AND L30 E FUNGUS
L33	40001 S E3
L34	21 S L33 AND L30
L35	2462 S L13

L36 3825 S L14
L37 2384 S L10
L38 1454 S L9
L39 2 S L38 AND L35

=> s 135 and 133

L40 47 L35 AND L33

=> d 140 20-47

L40 ANSWER 20 OF 47 CA COPYRIGHT 2003 ACS on STN

AN 120:187428 CA

TI A vesicular arbuscular mycorrhizal **fungus** (*Glomus intraradix*) induces a defense response in alfalfa roots

AU Volpin, Hanne; Elkind, Yonatan; Okon, Yaacov; Kapulnik, Yoram

CS Fac. Agric., Hebrew Univ. Jerusalem, Rehovot, 76100, Israel

SO Plant Physiology (1994), 104(2), 683-9

CODEN: PLPHAY; ISSN: 0032-0889

DT Journal

LA English

L40 ANSWER 21 OF 47 CA COPYRIGHT 2003 ACS on STN

AN 119:177695 CA

TI Induction and accumulation of phytoalexins in cowpea roots infected with a mycorrhizal **fungus** *Glomus fasciculatum* and their resistance to *Fusarium* wilt disease

AU Sundaresan, P.; Raja, N. Ubalthoose; Gunasekaran, P.

CS Sch. Biol., Madurai Kamaraj Univ., Madurai, 625 021, India

SO Journal of Biosciences (Bangalore, India) (1993), 18(2), 291-301

CODEN: JOBSDN; ISSN: 0250-5991

DT Journal

LA English

L40 ANSWER 22 OF 47 CA COPYRIGHT 2003 ACS on STN

AN 116:55717 CA

TI Isoflavonoid phytoalexins from the **fungus**-inoculated leaflets of *Erythrina* species

AU Ingham, John L.

CS Dep. Food Sci., Univ. Reading, Whiteknights/Reading, RG6 2AP, UK

SO Biochemical Systematics and Ecology (1991), 19(6), 497-506

CODEN: BSECBU; ISSN: 0305-1978

DT Journal

LA English

L40 ANSWER 23 OF 47 CA COPYRIGHT 2003 ACS on STN

AN 115:155157 CA

TI Stimulation of vesicular-arbuscular mycorrhiza formation and growth of white clover by flavonoid compounds

AU Siqueira, J. O.; Safir, G. R.; Nair, M. G.

CS Dep. Bot. Plant Pathol., Michigan State Univ., East Lansing, MI, 48824, USA

SO New Phytologist (1991), 118(1), 87-93

CODEN: NEPHAV; ISSN: 0028-646X

DT Journal

LA English

L40 ANSWER 24 OF 47 CA COPYRIGHT 2003 ACS on STN

AN 115:109686 CA

TI Separation and identification of phytoalexins from leaves of groundnut (*Arachis hypogaea*) and development of a method for their determination by reversed-phase high-performance liquid chromatography

AU Edwards, Christine; Strange, Richard N.

CS Dep. Biol., Univ. Coll. London, London, WC1E 6BT, UK
 SO Journal of Chromatography (1991), 547(1-2), 185-93
 CODEN: JOCRAM; ISSN: 0021-9673
 DT Journal
 LA English

L40 ANSWER 25 OF 47 CA COPYRIGHT 2003 ACS on STN
 AN 114:184345 CA
 TI Influence of nitrogen on accumulation of isosojagol (a newly detected coumestan in soybean) and associated isoflavonoids in roots and nodules of mycorrhizal and non-mycorrhizal soybean
 AU Morandi, D.; Le Quere, J. L.
 CS Lab. Phytoparasitol., INRA, Dijon, 21034, Fr.
 SO New Phytologist (1991), 117(1), 75-9
 CODEN: NEPHAV; ISSN: 0028-646X
 DT Journal
 LA English

L40 ANSWER 26 OF 47 CA COPYRIGHT 2003 ACS on STN
 AN 113:37827 CA
 TI Stress responses in alfalfa (*Medicago sativa* L.). I. Induction of phenylpropanoid biosynthesis and hydrolytic enzymes in elicitor-treated cell suspension cultures
 AU Dalkin, Karen; Edwards, Robert; Edington, Brent; Dixon, Richard A.
 CS Plant Biol. Div., Samuel Roberts Noble Found., Ardmore, OK, 73402, USA
 SO Plant Physiology (1990), 92(2), 440-6
 CODEN: PLPHAY; ISSN: 0032-0889
 DT Journal
 LA English

L40 ANSWER 27 OF 47 CA COPYRIGHT 2003 ACS on STN
 AN 112:195386 CA
 TI Isoflavonoid changes in soybean cell suspensions when challenged with intact bacteria or fungal elicitors
 AU Zacharius, Robert M.; Kalan, Edwin B.
 CS Climate Stress Lab., U.S. Dep. Agric., Beltsville, MD, 20705, USA
 SO Journal of Plant Physiology (1990), 135(6), 732-6
 CODEN: JPPHEY; ISSN: 0176-1617
 DT Journal
 LA English

L40 ANSWER 28 OF 47 CA COPYRIGHT 2003 ACS on STN
 AN 112:93909 CA
 TI Effect of xenobiotics on endomycorrhizal infection and isoflavonoid accumulation in soybean roots
 AU Morandi, Dominique
 CS Lab. Phytoparasitol., INRA, Dijon, 21034, Fr.
 SO Plant Physiology and Biochemistry (Paris, France) (1989), 27(5), 697-701
 CODEN: PPBIEX; ISSN: 0981-9428
 DT Journal
 LA English

L40 ANSWER 29 OF 47 CA COPYRIGHT 2003 ACS on STN
 AN 110:111910 CA
 TI Elicitor-induced changes of enzyme activities related to isoflavone and pterocarpan accumulation in chickpea (*Cicer arietinum* L.) cell suspension cultures
 AU Daniel, Susanne; Hinderer, Walter; Barz, Wolfgang
 CS Westfaelische Wilhelms-Univ., Muenster, D-4400, Fed. Rep. Ger.
 SO Zeitschrift fuer Naturforschung, C: Journal of Biosciences (1988), 43(7-8), 536-44
 CODEN: ZNCBDA; ISSN: 0341-0382

DT Journal
LA English

L40 ANSWER 30 OF 47 CA COPYRIGHT 2003 ACS on STN
AN 110:111909 CA
TI Elicitation of pterocarpan phytoalexins in cell suspension cultures of different chickpea (*Cicer arietinum* L.) cultivars by an elicitor from the **fungus** *Ascochyta rabiei*
AU Kessmann, Helmut; Daniel, Susanne; Barz, Wolfgang
CS Westfaelische Wilhelms-Univ., Muenster, D-4400, Fed. Rep. Ger.
SO Zeitschrift fuer Naturforschung, C: Journal of Biosciences (1988), 43(7-8), 529-35
CODEN: ZNCBDA; ISSN: 0341-0382
DT Journal
LA English

L40 ANSWER 31 OF 47 CA COPYRIGHT 2003 ACS on STN
AN 110:72246 CA
TI Growth-regulating metabolites of the **fungus** *Monilia* sp
AU Arinbasarov, M. U.; Murygina, V. P.; Adanin, V. M.; Sakharovskii, V. G.; Nefedova, M. Yu.; Gerasimova, N. M.; Kozlovskii, A. G.
CS Inst. Biochem. Physiol. Microorg., Pushchino, USSR
SO Prikladnaya Biokhimiya i Mikrobiologiya (1988), 24(6), 754-9
CODEN: PBMIAC; ISSN: 0555-1099
DT Journal
LA Russian

L40 ANSWER 32 OF 47 CA COPYRIGHT 2003 ACS on STN
AN 106:192987 CA
TI Accumulation of isoflavones and pterocarpan phytoalexins in cell suspension cultures of different cultivars of chickpea (*Cicer arietinum*)
AU Kessmann, Helmut; Barz, Wolfgang
CS Westfael. Wilhelms-Univ., Muenster, D-4400, Fed. Rep. Ger.
SO Plant Cell Reports (1987), 6(1), 55-9
CODEN: PCRPD8; ISSN: 0721-7714
DT Journal
LA English

L40 ANSWER 33 OF 47 CA COPYRIGHT 2003 ACS on STN
AN 106:99567 CA
TI Elicitation and suppression of phytoalexin and isoflavone accumulation in cotyledons of *Cicer arietinum* L. as caused by wounding and by polymeric components from the **fungus** *Ascochyta rabiei*
AU Kessmann, H.; Barz, W.
CS Westfael. Wilhelms-Univ., Muenster, D-4400, Fed. Rep. Ger.
SO Journal of Phytopathology (1986), 117(4), 321-35
CODEN: JPHYEB; ISSN: 0931-1785
DT Journal
LA English

L40 ANSWER 34 OF 47 CA COPYRIGHT 2003 ACS on STN
AN 106:15610 CA
TI Structure-related fungitoxicity of isoflavonoids
AU Adesanya, S. A.; O'Neill, Melanie J.; Roberts, Margaret F.
CS Sch. Pharm., Univ. London, London, WC1N 1AX, UK
SO Physiological and Molecular Plant Pathology (1986), 29(1), 95-103
CODEN: PMPPEZ; ISSN: 0885-5765
DT Journal
LA English

L40 ANSWER 35 OF 47 CA COPYRIGHT 2003 ACS on STN
AN 104:126740 CA

TI Phytoalexin production by isolated soybean protoplasts
 AU Mieth, Hannelore; Speth, Volker; Ebel, Juergen
 CS Biol. Inst. II, Univ. Freiburg, Freiburg, D-7800, Fed. Rep. Ger.
 SO Zeitschrift fuer Naturforschung, C: Journal of Biosciences (1986),
 41(1-2), 193-201
 CODEN: ZNCBDA; ISSN: 0341-0382
 DT Journal
 LA English

L40 ANSWER 36 OF 47 CA COPYRIGHT 2003 ACS on STN
 AN 103:102150 CA
 TI Stimulation of isoflavonoid content in subterranean clover by infection
 with a **fungus**
 AU Parbery, D. G.; Gardner, W. K.; Golebiowski, T.
 CS Sch. Agric. For., Univ. Melbourne, Parkville, 3052, Australia
 SO Journal of the Australian Institute of Agricultural Science (1984), 50(2),
 114-16
 CODEN: JAUSAH; ISSN: 0045-0545
 DT Journal
 LA English

L40 ANSWER 37 OF 47 CA COPYRIGHT 2003 ACS on STN
 AN 101:51881 CA
 TI Phytoalexin synthesis in soybean cells: elicitor induction of
 phenylalanine ammonia-lyase and chalcone synthase mRNAs and correlation
 with phytoalexin accumulation
 AU Ebel, Juergen; Schmidt, Walter E.; Loyal, Rosemarie
 CS Biol. Inst. II, Univ. Freiburg, Freiburg, D-7800, Fed. Rep. Ger.
 SO Archives of Biochemistry and Biophysics (1984), 232(1), 240-8
 CODEN: ABBIA4; ISSN: 0003-9861
 DT Journal
 LA English

L40 ANSWER 38 OF 47 CA COPYRIGHT 2003 ACS on STN
 AN 100:31689 CA
 TI High-performance liquid chromatography of isoflavones and phytoalexins
 from *Cicer arietinum*
 AU Koester, J.; Zuzok, A.; Barz, W.
 CS Univ. Muenster, Muenster, D-4400, Fed. Rep. Ger.
 SO Journal of Chromatography (1983), 270, 392-5
 CODEN: JOCRAM; ISSN: 0021-9673
 DT Journal
 LA English

L40 ANSWER 39 OF 47 CA COPYRIGHT 2003 ACS on STN
 AN 96:65854 CA
 TI Isolation and identification of *Cicer* isoflavonoids
 AU Ingham, John L.
 CS Dep. Bot., Univ. Reading, Reading, RG6 2AS, UK
 SO Biochemical Systematics and Ecology (1981), 9(2-3), 125-8
 CODEN: BSECBU; ISSN: 0305-1978
 DT Journal
 LA English

L40 ANSWER 40 OF 47 CA COPYRIGHT 2003 ACS on STN
 AN 96:17370 CA
 TI Phaseollin metabolism and tolerance in *Fusarium solani* f. sp. *phaseoli*
 AU Kistler, H. C.; VanEtten, H. D.
 CS Dep. Plant Pathol., Cornell Univ., Ithaca, NY, 14853, USA
 SO Physiological Plant Pathology (1981), 19(2), 257-71
 CODEN: PPPYBC; ISSN: 0048-4059
 DT Journal

LA English

L40 ANSWER 41 OF 47 CA COPYRIGHT 2003 ACS on STN
 AN 94:80246 CA
 TI Tectorigenin, a phytoalexin of *Centrosema haitiense* and other *Centrosema* species
 AU Markham, Kenneth R.; Ingham, John L.
 CS Dep. Bot., Univ. Reading, Reading, RG6 2AS, UK
 SO Zeitschrift fuer Naturforschung, C: Journal of Biosciences (1980), 35C(11-12), 919-22
 CODEN: ZNCBDA; ISSN: 0341-0382
 DT Journal
 LA English

L40 ANSWER 42 OF 47 CA COPYRIGHT 2003 ACS on STN
 AN 91:16842 CA
 TI Isoflavonoid phytoalexins of the genus *Medicago*
 AU Ingham, John L.
 CS Dep. Bot., Univ. Reading, Reading, RG6 2AS, UK
 SO Biochemical Systematics and Ecology (1979), 7(1), 29-34
 CODEN: BSECBU; ISSN: 0305-1978
 DT Journal
 LA English

L40 ANSWER 43 OF 47 CA COPYRIGHT 2003 ACS on STN
 AN 88:148965 CA
 TI Flavonoid and isoflavonoid compounds from leaves of sainfoin (*Onobrychis viciifolia*)
 AU Ingham, John L.
 CS Dep. Bot., Univ. Reading, Reading, UK
 SO Zeitschrift fuer Naturforschung, C: Journal of Biosciences (1978), 33C(1-2), 146-8
 CODEN: ZNCBDA; ISSN: 0939-5075
 DT Journal
 LA English

L40 ANSWER 44 OF 47 CA COPYRIGHT 2003 ACS on STN
 AN 85:156675 CA
 TI Induced isoflavonoids from **fungus**-infected stems of pigeon pea (*Cajanus cajan*)
 AU Ingham, John L.
 CS Dep. Bot., Univ. Reading, Reading, UK
 SO Zeitschrift fuer Naturforschung, C: Journal of Biosciences (1976), 31C(9-10), 504-8
 CODEN: ZNCBDA; ISSN: 0939-5075
 DT Journal
 LA English

L40 ANSWER 45 OF 47 CA COPYRIGHT 2003 ACS on STN
 AN 85:119778 CA
 TI Changes in the isoflavones and pterocarpanes of red clover on infection with *Sclerotinia trifoliorum* and *Botrytis cinerea*
 AU Debnam, J. R.; Smith, I. M.
 CS Bot. Dep., Imp. Coll., London, UK
 SO Physiological Plant Pathology (1976), 9(1), 9-23
 CODEN: PPPYBC; ISSN: 0048-4059
 DT Journal
 LA English

L40 ANSWER 46 OF 47 CA COPYRIGHT 2003 ACS on STN
 AN 84:145868 CA
 TI Effects of the structure of phenolic compounds on the inhibition of

Phytophthora parasitica and on lytic enzymes. I. Isoflavonoids and coumestans

AU Ravise, A.; Kirkiacharian, B. S.
CS Fac. Francaise Med. Pharm. Beyrouth, ORSTOM, Beirut, Lebanon
SO Phytopathologische Zeitschrift (1976), 85(1), 74-85
CODEN: PHYZA3; ISSN: 0031-9481
DT Journal
LA French

L40 ANSWER 47 OF 47 CA COPYRIGHT 2003 ACS on STN
AN 76:138316 CA
TI Biosynthesis of hydroxyphaseollin and related isoflavanoids in disease-resistant soybean hypocotyls
AU Keen, N. T.; Zaki, A. I.; Sims, J. J.
CS Dep. Plant Pathol., Univ. California, Riverside, CA, USA
SO Phytochemistry (Elsevier) (1972), 11(3), 1031-9
CODEN: PYTCAS; ISSN: 0031-9422
DT Journal
LA English

=> d 140 1-19

L40 ANSWER 1 OF 47 CA COPYRIGHT 2003 ACS on STN
AN 139:19617 CA
TI Flavonoid levels in roots of Medicago sativa are modulated by the developmental stage of the symbiosis and the root colonizing arbuscular mycorrhizal **fungus**
AU Larose, Genevieve; Chenevert, Robert; Moutogliss, Peter; Gagne, Serge; Piche, Yves; Vierheilig, Horst
CS Department de Chimie, Faculte des Sciences et de Genie, Universite Laval, Ste-Foy, QC, G1K 7P4, Can.
SO Journal of Plant Physiology (2002), 159(12), 1329-1339
CODEN: JPPHEY; ISSN: 0176-1617
PB Urban & Fischer Verlag GmbH & Co. KG
DT Journal
LA English

RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 2 OF 47 CA COPYRIGHT 2003 ACS on STN
AN 138:382214 CA
TI Phytoalexin accumulation in Colombian bean varieties and aminosugars as elicitors
AU Durango, Diego; Quinones, Winston; Torres, Fernando; Rosero, Yoni; Gil, Jesus; Echeverri, Fernando
CS Inst. Chem., Univ. Antioquia, Medellin, Colombia
SO Molecules (2002), 7(11), 817-832
CODEN: MOLEFW; ISSN: 1420-3049
URL: <http://www.mdpi.org/molecules/papers/71100817.pdf>
PB Molecular Diversity Preservation International
DT Journal; (online computer file)
LA English

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 3 OF 47 CA COPYRIGHT 2003 ACS on STN
AN 138:150332 CA
TI Nitric oxide synthase-mediated phytoalexin accumulation in soybean cotyledons in response to the Diaporthe phaseolorum f. sp. meridionalis elicitor
AU Modolo, Luzia Valentina; Cunha, Fernando Queiroz; Braga, Marcia Regina;

Salgado, Ione
 CS Departamento de Bioquimica, Instituto de Biologia, Universidade Estadual
 de Campinas, Campinas, 13083-970, Brazil
 SO Plant Physiology (2002), 130(3), 1288-1297
 CODEN: PLPHAY; ISSN: 0032-0889
 PB American Society of Plant Biologists
 DT Journal
 LA English
 RE.CNT 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 4 OF 47 CA COPYRIGHT 2003 ACS on STN
 AN 137:168390 CA
 TI preparation of statins by fermentation for use in foods
 IN Van Oorschot, Gijsbertus Johannes; Ter Schure, Eelco; Trautwein, Elke
 PA Unilever N.V., Neth.; Unilever PLC; Hindustan Lever Ltd.
 SO PCT Int. Appl., 34 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002064809	A2	20020822	WO 2002-EP999	20020130
WO 2002064809	A3	20030424		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2003104004	A1	20030605	US 2002-72580	20020208
US 2003108657	A1	20030612	US 2002-72570	20020208
PRAI EP 2001-200489	A	20010209		
EP 2001-200493	A	20010209		

L40 ANSWER 5 OF 47 CA COPYRIGHT 2003 ACS on STN
 AN 136:352507 CA
 TI Antifungal activity of 4',7-dimethoxyisoflavone against some fungi
 AU Pandey, M. K.; Pandey, R.; Singh, V. P.; Pandey, V. B.; Singh, U. P.
 CS Department of Mycology and Plant Pathology, Institute of Agricultural
 Sciences, Banaras Hindu University, Varanasi, 221 005, India
 SO Mycobiology (2002), 30(1), 55-56
 CODEN: MYCOBF; ISSN: 1229-8093
 PB Korean Society of Mycology
 DT Journal
 LA English
 RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 6 OF 47 CA COPYRIGHT 2003 ACS on STN
 AN 135:285681 CA
 TI Influence of flavonoid compounds on VA mycorrhiza Glomus mosseae and
 alfalfa plants
 AU Shalaby, A. M.
 CS Botany Department, Faculty of Science, Cairo University, Cairo, Egypt
 SO Egyptian Journal of Microbiology (2001), Volume Date 2000, 35(2), 225-238
 CODEN: EJMB2; ISSN: 0301-8172
 PB National Information and Documentation Centre

DT Journal
LA English

RE.CNT 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 7 OF 47 CA COPYRIGHT 2003 ACS on STN
AN 135:284858 CA
TI Characterization of Pisatin-Inducible Cytochrome P450s in Fungal Pathogens
of Pea That Detoxify the Pea Phytoalexin Pisatin
AU George, Helga L.; VanEtten, Hans D.
CS Department of Plant Pathology, University of Arizona, Tucson, AZ, 85721,
USA
SO Fungal Genetics and Biology (2001), 33(1), 37-48
CODEN: FGBIFV; ISSN: 1087-1845
PB Academic Press
DT Journal
LA English

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 8 OF 47 CA COPYRIGHT 2003 ACS on STN
AN 135:1602 CA
TI Repellent activity of estrogenic compounds toward zoospores of the
phytopathogenic fungus *Aphanomyces cochlioides*
AU Islam, M. Tofazzal; Tahara, Satoshi
CS Division of Applied Bioscience, Graduate School of Agriculture, Hokkaido
University, Sapporo, 060-8589, Japan
SO Zeitschrift fuer Naturforschung, C: Journal of Biosciences (2001),
56(3/4), 253-261
CODEN: ZNCBDA; ISSN: 0939-5075
PB Verlag der Zeitschrift fuer Naturforschung
DT Journal
LA English

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 9 OF 47 CA COPYRIGHT 2003 ACS on STN
AN 132:262124 CA
TI Preparation of microbial diglycosidase capable of cleaving disaccharide
glycosides and cloning of gene for diglycosidase of *Aspergillus fumigatus*
IN Yamamoto, Shigeru; Okada, Masamichi; Usui, Taichi; Sakata, Kanzo; Toumoto,
Atsuki; Tsuruhami, Kazutaka
PA Amano Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 74 pp.
CODEN: PIXXD2
DT Patent
LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000018931	A1	20000406	WO 1999-JP5346	19990929
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
CA 2344458	AA	20000406	CA 1999-2344458	19990929
AU 9959988	A1	20000417	AU 1999-59988	19990929

EP 1118667 A1 20010725 EP 1999-969743 19990929

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO

PRAI JP 1998-294675 A 19980930

WO 1999-JP5346 W 19990929

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 10 OF 47 CA COPYRIGHT 2003 ACS on STN

AN 130:77803 CA

TI Biochemical properties of the products of cytochrome P450 genes (PDA)
encoding pisatin demethylase activity in *Nectria haematococca*

AU George, Helga L.; Hirschi, Kendal D.; VanEtten, Hans D.

CS Department of Plant Pathology, University of Arizona, Tucson, AZ, 85721,
USA

SO Archives of Microbiology (1998), 170(3), 147-154

CODEN: AMICCW; ISSN: 0302-8933

PB Springer-Verlag

DT Journal

LA English

RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 11 OF 47 CA COPYRIGHT 2003 ACS on STN

AN 129:202455 CA

TI Influence of phosphorus and formononetin on isoenzyme expression in the
Zea mays-*Glomus intraradices* symbiosis

AU Fries, Leadir L. M.; Pacovsky, Raymond S.; Safir, Gene R.

CS Dept of Botany and Plant Pathology, Michigan State Univ., East Lansing,
MI, 48824, USA

SO Physiologia Plantarum (1998), 103(2), 172-180

CODEN: PHPLAI; ISSN: 0031-9317

PB Munksgaard International Publishers Ltd.

DT Journal

LA English

RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 12 OF 47 CA COPYRIGHT 2003 ACS on STN

AN 126:340003 CA

TI Soil-applied synthetic formononetin stimulates arbuscular mycorrhizal
formation in corn and soybean

AU da Silva-Junior, Jose Pereira; Siqueira, Jose Oswaldo

CS Dep. Ciencia Solo, Univ. Federal Lavras, Lavras, 37200-000, Brazil

SO Revista Brasileira de Fisiologia Vegetal (1997), 9(1), 35-41

CODEN: RBFVEG; ISSN: 0103-3131

PB Sociedade Brasileira de Fisiologia Vegetal

DT Journal

LA Portuguese

L40 ANSWER 13 OF 47 CA COPYRIGHT 2003 ACS on STN

AN 126:248916 CA

TI Synthesis and degradation of phytoalexins in alfalfa

AU Edwards, R.; Parry, A. D.; Gregory, A. C. E.; Tiller, S. A.; Daniell, T.
J.

CS Department of Biological Sciences, University of Durham, Durham, DH1 3LE,
UK

SO Acta Horticulturae (1994), 381(International Symposium on Natural Phenols
in Plant Resistance, Vol. 1), 214-226

CODEN: AHORA2; ISSN: 0567-7572

PB International Society for Horticultural Science

DT Journal

- LA English
- L40 ANSWER 14 OF 47 CA COPYRIGHT 2003 ACS on STN
 AN 125:274667 CA
 TI Expression of isoenzymes altered by both Glomus intraradices colonization and formononetin application in corn (Zea mays L.) roots
 AU Fries, Leadir L. M.; Pacovsky, Raymond S.; Safir, Gene R.
 CS Dep. Bot. Plant Pathol., Michigan State Univ., East Lansing, MI, 48824, USA
 SO Soil Biology & Biochemistry (1996), 28(8), 981-988
 CODEN: SBIOAH; ISSN: 0038-0717
 PB Elsevier
 DT Journal
 LA English
- L40 ANSWER 15 OF 47 CA COPYRIGHT 2003 ACS on STN
 AN 125:5642 CA
 TI Suppression of fungal .beta.-glucan-induced plant defense in soybean (Glycine max L.) by cyclic 1,3-1,6-.beta.-glucans from the symbiont Bradyrhizobium japonicum
 AU Mithoeer, Axel; Bhagwat, Arvind A.; Feger, Markus; Ebel, Juergen
 CS Botanisches Institut der Universitaet, Munich, D-80638, Germany
 SO Planta (1996), 199(2), 270-275
 CODEN: PLANAB; ISSN: 0032-0935
 PB Springer
 DT Journal
 LA English
- L40 ANSWER 16 OF 47 CA COPYRIGHT 2003 ACS on STN
 AN 123:139205 CA
 TI Rhizobial nodulation factors stimulate mycorrhizal colonization of nodulating and nonnodulating soybeans
 AU Xie, Zhi-Ping; Staehelin, Christian; Vierheilig, Horst; Wiemken, Andres; Jabbouri, Saied; Broughton, William J.; Voegeli-Lange, Regina; Boller, Thomas
 CS Botanisches Inst., Univ. Basel, Basel, CH-4056, Switz.
 SO Plant Physiology (1995), 108(4), 1519-25
 CODEN: PLPHAY; ISSN: 0032-0889
 PB Dekker
 DT Journal
 LA English
- L40 ANSWER 17 OF 47 CA COPYRIGHT 2003 ACS on STN
 AN 123:139090 CA
 TI Suppression of an isoflavonoid phytoalexin defense response in mycorrhizal alfalfa roots.
 AU Volpin, Hanne; Phillips, Donald A.; Okon, Yaacov; Kapulnik, Yoram
 CS Fac. Agric., Hebrew Univ. Jerusalem, Rehovot, 76100, Israel
 SO Plant Physiology (1995), 108(4), 1449-54
 CODEN: PLPHAY; ISSN: 0032-0889
 PB Dekker
 DT Journal
 LA English
- L40 ANSWER 18 OF 47 CA COPYRIGHT 2003 ACS on STN
 AN 123:5272 CA
 TI Effect of flavonoids on spore germination and asymbiotic growth of the arbuscular mycorrhizal fungus Gigaspora gigantea
 AU Baptista, Mirian Josefina; Siqueira, Jose Oswaldo
 CS Departamento de Ciencia do Solo, Escola Superior de Agricultura de Lavras, Lavras, 37200-000, Brazil
 SO Revista Brasileira de Fisiologia Vegetal (1994), 6(2), 127-34

CODEN: RBFVEG; ISSN: 0103-3131

DT Journal

LA Portuguese

L40 ANSWER 19 OF 47 CA COPYRIGHT 2003 ACS on STN

AN 122:156104 CA

TI Structure-activity relationships among isoflavonoids with regard to their antifungal properties

AU Weidenboerner, Martin; Jha, Hem Chandra

CS Institut fur Lebensmitteltechnologie, Universitat Bonn, Bonn, 53117, Germany

SO Mycological Research (1994), 98(12), 1376-8

CODEN: MYCRER; ISSN: 0953-7562

DT Journal

LA English

=> d 140 19 all

L40 ANSWER 19 OF 47 CA COPYRIGHT 2003 ACS on STN

AN 122:156104 CA

TI Structure-activity relationships among isoflavonoids with regard to their antifungal properties

AU Weidenboerner, Martin; Jha, Hem Chandra

CS Institut fur Lebensmitteltechnologie, Universitat Bonn, Bonn, 53117, Germany

SO Mycological Research (1994), 98(12), 1376-8

CODEN: MYCRER; ISSN: 0953-7562

DT Journal

LA English

CC 10-5 (Microbial, Algal, and Fungal Biochemistry)

AB In order to establish a structure-activity relationship in the class of isoflavonoids, 16 differently substituted isoflavonoids were tested against *Alternaria alternata*, *Cladosporium herbarum*, *Fusarium oxysporum* and *Trichoderma harzianum*. The isoflavanones, 6,7-dihydroxy-4'-methoxy- and 7-hydroxy-8,4'-dimethylisoflavanone, showed highest antifungal activity in the case of *C. herbarum* as test fungus. The unreduced structure of the isoflavones has less inhibitory effect on the growth of the test fungi, whereas the completely reduced isoflavones, i.e., the isoflavans, showed only a very weak activity.

ST isoflavonoid antifungal

IT Molecular structure-biological activity relationship
(fungicidal, structure-activity relationships among isoflavonoids with regard to their antifungal properties)

IT Flavonoids

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(iso-, structure-activity relationships among isoflavonoids with regard to their antifungal properties)

IT 485-72-3 486-66-8 491-80-5 574-12-9 897-46-1

20816-28-8 37816-19-6 76397-85-8 76397-87-0 116718-49-1

116718-63-9 116718-91-3 116718-92-4 161150-20-5 161150-21-6

161150-22-7

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(structure-activity relationships among isoflavonoids with regard to their antifungal properties)

=> s 117 and 133

L41 11 L17 AND L33

=> d 141 1-11

L41 ANSWER 1 OF 11 CA COPYRIGHT 2003 ACS on STN
AN 123:138389 CA
TI Environmental and developmental regulation of carotenogenesis in the
dimorphic **fungus** *Mucor rouxii*
AU Mosqueda-Cano, Gilberto; Gutierrez-Corona, J. Felix
CS Facultad Quimica, Univ. Guanajuato, Gto, 36000, Mex.
SO Current Microbiology (1995), 31(3), 141-5
CODEN: CUMIDD; ISSN: 0343-8651
PB Springer
DT Journal
LA English

L41 ANSWER 2 OF 11 CA COPYRIGHT 2003 ACS on STN
AN 119:269200 CA
TI Microbial manufacture of retinoids from .beta.-carotene
IN Yanai, Takaaki; Tsunekawa, Hiroshi; Okamura, Kazuhiko; Okamoto, Rokuro
PA Merushan Kk, Japan
SO Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DT Patent
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 05219964	A2	19930831	JP 1991-232558	19910821
PRAI	JP 1991-232558		19910821		

L41 ANSWER 3 OF 11 CA COPYRIGHT 2003 ACS on STN
AN 118:190113 CA
TI Fermentative manufacture of retinoic acid from retinoids
IN Yanai, Takaaki; Tsunekawa, Hiroshi; Okamura, Kazuhiko; Okamoto, Rokuro
PA Mercian Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF

DT Patent
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 05000091	A2	19930108	JP 1991-174715	19910620
PRAI	JP 1991-174715		19910620		
OS	MARPAT 118:190113				

L41 ANSWER 4 OF 11 CA COPYRIGHT 2003 ACS on STN
AN 118:76991 CA
TI Preparation of astaxanthin-accumulating microorganisms for manufacture of
astaxanthin-containing cells or purified carotenoid
IN Villadsen, Ingrid Stampe
PA Den.
SO PCT Int. Appl., 38 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9222648	A1	19921223	WO 1992-DK186	19920615
	W: AT, AU, BB, BG, BR, CA, CH, CS, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MG, MN, MW, NL, NO, PL, RO, RU, SD, SE, US				
	RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN,				

	GR, IT, LU, MC, ML, MR, NL, SE, SN, TD, TG	
CA 2111477	AA 19921223	CA 1992-2111477 19920615
AU 9219851	A1 19930112	AU 1992-19851 19920615
NO 9304613	A 19940214	NO 1993-4613 19931214
PRAI DK 1991-1151	19910614	
WO 1992-DK186	19920615	

- L41 ANSWER 5 OF 11 CA COPYRIGHT 2003 ACS on STN
 AN 117:170017 CA
 TI Utilization of a natural .beta.-carotene stereoisomers mixture from the fungus *Phycomyces blakesleeanus* as a source of vitamin A and .beta.-carotene in rats' diet
 AU Shlomai, P.; Ben-Amotz, A.; Margalith, P.; Mokady, S.
 CS Dep. Food Eng. Biotechnol., Technion-Israel Inst. Technol., Haifa, 3200, Israel
 SO Journal of Nutritional Biochemistry (1992), 3(8), 415-20
 CODEN: JNBIEL; ISSN: 0955-2863
 DT Journal
 LA English
- L41 ANSWER 6 OF 11 CA COPYRIGHT 2003 ACS on STN
 AN 116:102446 CA
 TI Genetic interactions in the regulation of carotenogenesis in *Phycomyces*
 AU Salgado, Luis M.; Cerda-Olmedo, Enrique
 CS Dep. Genet. Biotec., Univ. Sevilla, Seville, E-41080, Spain
 SO Current Genetics (1992), 21(1), 67-71
 CODEN: CUGED5; ISSN: 0172-8083
 DT Journal
 LA English
- L41 ANSWER 7 OF 11 CA COPYRIGHT 2003 ACS on STN
 AN 115:131684 CA
 TI Correlation between in vivo and in vitro carotenogenesis in *Phycomyces*
 AU Salgado, Luis M.; Avalos, Javier; Bejarano, Eduardo R.; Cerda-Olmedo, Enrique
 CS Fac. Biol., Univ. Sevilla, Sevilla, Spain
 SO Phytochemistry (1991), 30(8), 2587-91
 CODEN: PYTCAS; ISSN: 0031-9422
 DT Journal
 LA English
- L41 ANSWER 8 OF 11 CA COPYRIGHT 2003 ACS on STN
 AN 112:73634 CA
 TI Carotene-superproducing mutants of *Phycomyces blakesleeanus*
 AU Salgado, Luis M.; Bejarano, Eduardo R.; Cerda-Olmedo, Enrique
 CS Dep. Genet. Biotec., Univ. Sevilla, Seville, E-41080, Spain
 SO Experimental Mycology (1989), 13(4), 332-6
 CODEN: EXMYD2; ISSN: 0147-5975
 DT Journal
 LA English
- L41 ANSWER 9 OF 11 CA COPYRIGHT 2003 ACS on STN
 AN 105:222392 CA
 TI Sexual activation of carotenogenesis in *Phycomyces blakesleeanus*
 AU Govind, N. S.; Cerda-Olmedo, E.
 CS Fac. Biol., Univ. Sevilla, Seville, E-41080, Spain
 SO Journal of General Microbiology (1986), 132(10), 2775-80
 CODEN: JGMIAN; ISSN: 0022-1287
 DT Journal
 LA English
- L41 ANSWER 10 OF 11 CA COPYRIGHT 2003 ACS on STN

AN 105:168992 CA
TI Chemical modification of carotenogenesis in *Gibberella fujikuroi*
AU Avalos, J.; Cerda-Olmedo, E.
CS Fac. Biol., Univ. Sevilla, Seville, Spain
SO Phytochemistry (1986), 25(8), 1837-41
CODEN: PYTCAS; ISSN: 0031-9422
DT Journal
LA English

L41 ANSWER 11 OF 11 CA COPYRIGHT 2003 ACS on STN
AN 85:106517 CA
TI Effect of vitamin A on biosynthesis of carotene by *Blakeslea trispora*
AU Feofilova, E. P.; Bekhtereva, M. N.
CS Inst. Mikrobiol., Moscow, USSR
SO Mikrobiologiya (1976), 45(3), 557-8
CODEN: MIKBA5; ISSN: 0026-3656
DT Journal
LA Russian

=> s vitamin a
164361 VITAMIN .
16670350 A
L42 28516 VITAMIN A
(VITAMIN(W)A)

=> s l42 and l33
L43 26 L42 AND L33

=> s l43 not l41
L44 24 L43 NOT L41

=> d l44 1-24

L44 ANSWER 1 OF 24 CA COPYRIGHT 2003 ACS on STN
AN 137:336802 CA
TI Process for the simultaneous production of xylitol and ethanol by
fermentation of lignocelluloses
IN Eröma, Olli-Pekka; Heikkilä, Heikki; Ojamo, Heikki; Sarmala, Paivi; Hyöky,
Göran; Rähkälä, Leena; Sarkki, Marja-Leena; Viljava, Tapio
PA Finland
SO U.S. Pat. Appl. Publ., 29 pp., Cont.-in-part of U.S. Ser. No. 928,893.
CODEN: USXXCO
DT Patent
LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002164731	A1	20021107	US 2001-35476	20011025
	FI 9000220	A	19910716	FI 1990-220	19900115
	FI 86440	B	19920515		
	FI 86440	C	19920825		
	EP 1306442	A2	20030502	EP 2002-23962	20021025
	EP 1306442	A3	20030702		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
PRAI	FI 1990-220	A	19900115		
	US 1992-910133	B1	19920714		
	US 1997-928893	A2	19970912		
	US 2001-35476	A	20011025		
OS	CASREACT 137:336802				

L44 ANSWER 2 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 135:106756 CA
 TI Tasco-forage: I. Influence of a seaweed extract on antioxidant activity in
 tall fescue and in ruminants
 AU Fike, J. H.; Allen, V. G.; Schmidt, R. E.; Zhang, X.; Fontenot, J. P.;
 Bagley, C. P.; Ivy, R. L.; Evans, R. R.; Coelho, R. W.; Wester, D. B.
 CS Departments of Crop and Soil Environmental Sciences, Virginia Polytechnic
 Institute and State University, Blacksburg, 24061, USA
 SO Journal of Animal Science (Savoy, IL, United States) (2001), 79(4),
 1011-1021
 CODEN: JANSAG; ISSN: 0021-8812
 PB American Society of Animal Science
 DT Journal
 LA English
 RE.CNT 56 THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L44 ANSWER 3 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 119:78912 CA
 TI Monitoring genotoxic exposure in uranium miners
 AU Sram, Radim J.; Binkova, Blanka; Dobias, Lubomir; Rossner, Pavel; Topinka,
 Jan; Vesela, Doubravka; Vesely, Drahomir; Stejskalova, Jana; Bavorova,
 Hana; Rericha, Vladimir
 CS Inst. Exp. Med., Czech. Acad. Sci., Prague, 120 00, Czech.
 SO Environmental Health Perspectives (1993), 99, 303-5
 CODEN: EVHPAZ; ISSN: 0091-6765
 DT Journal
 LA English

L44 ANSWER 4 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 118:95549 CA
 TI Study of the nutritive value and usage of Nostoc commune Vauch
 AU He, Baozhen; Li, Yixian
 CS Agric. Bur. Lu Liang Prefect., Peop. Rep. China
 SO Shanxi Daxue Xuebao, Ziran Kexueban (1991), 14(1), 93-6
 CODEN: SDXKDT; ISSN: 0253-2395
 DT Journal
 LA Chinese

L44 ANSWER 5 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 108:44049 CA
 TI Pharmaceutical compositions containing propylene glycol and/or
 polyethylene glycol and urea as active main components and use thereof in
 treatment of skin disorders
 IN Moberg, Sven
 PA Swed.
 SO PCT Int. Appl., 43 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8704617	A1	19870813	WO 1987-SE53	19870204
	W: AU, BB, BG, BR, DK, FI, HU, JP, KP, KR, LK, MC, MG, MW, NO, RO, SD, SU, US				
	RW: AT, BE, CF, CG, CH, CM, DE, FR, GA, GB, IT, LU, ML, MR, NL, SE, SN, TD, TG				
	SE 8600501	A	19870805	SE 1986-501	19860204
	SE 462139	B	19900514		
	SE 462139	C	19900906		
	AU 8770239	A1	19870825	AU 1987-70239	19870204

AU 599086	B2	19900712		
EP 292495	A1	19881130	EP 1987-901161	19870204
EP 292495	B1	19910918		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 67409	E	19911015	AT 1987-901161	19870204
DK 8705193	A	19871002	DK 1987-5193	19871002
DK 165440	B	19921130		
DK 165440	C	19930413		
NO 8704150	A	19871202	NO 1987-4150	19871002
NO 174764	B	19940328		
NO 174764	C	19940706		
CA 1330198	A1	19940614	CA 1988-573123	19880727
US 5525635	A	19960611	US 1993-150245	19931109
PRAI SE 1986-501		19860204		
EP 1987-901161		19870204		
WO 1987-SE53		19870204		
US 1988-230375		19880921		
US 1990-590432		19900927		
US 1992-964104		19921008		

L44 ANSWER 6 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 102:154827 CA
 TI Antibiotic composition for veterinary use
 IN Speeche, Andre
 PA S.S.M. International Chemical Co. Ltd., St. Vincent
 SO PCT Int. Appl., 8 pp.
 CODEN: PIXXD2
 DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8404249	A2	19841108	WO 1984-BE12	19840502
	WO 8404249	A3	19850314		
	W: DK, JP, US				
	RW: AT, BE, CH, DE, FR, GB, LU, NL, SE				
	ZA 8403277	A	19841224	ZA 1984-3277	19840502
	EP 150186	A1	19850807	EP 1984-901729	19840502
	R: AT, BE, CH, DE, FR, GB, LI, LU, NL, SE				
	CA 1221635	A1	19870512	CA 1984-453413	19840502
	JP 01500746	T2	19890316	JP 1984-501885	19840502
	DK 8500035	A	19850103	DK 1985-35	19850103
PRAI	LU 1983-84786		19830503		
	WO 1984-BE12		19840502		

L44 ANSWER 7 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 102:137771 CA
 TI Microbial contamination of a **vitamin A** formulation,
 prepared in local pharmacies, and its preservation against yeasts and
 molds
 AU Van Doorne, H.; Scheffers, W. A.; Hadiutomo, Melanie; Van den Bosch, E.
 CS Subfac. Pharm., State Univ. Leiden, Leiden, 2300 RA, Neth.
 SO Antonie van Leeuwenhoek (1984), 50(4), 405-16
 CODEN: ALJMAO; ISSN: 0003-6072
 DT Journal
 LA English

L44 ANSWER 8 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 91:55055 CA
 TI Manganese and molybdenum metabolism in sheep during feeding with
vitamin A, B6, B12, C and potassium iodide
 AU Odynets, R. N.; Tokobaev, E. M.; Aituganov, M. D.

CS USSR
SO Mikroelementy v Zhivotnovodstve i Rasteniyevodstve (1977), 16, 33-45
CODEN: MZRKAG; ISSN: 0544-1307
DT Journal
LA Russian

L44 ANSWER 9 OF 24 CA COPYRIGHT 2003 ACS on STN
AN 88:168678 CA
TI Hygienic mycological evaluation of feeds
AU Kudryavtsev, A. P.; Kuvshinova, G. V.; Ponomarchuk, N. G.
CS Irkutsk. Nauchno-Issled. Vet. Stants., Irkutsk, USSR
SO Trudy Irkutskoi Nauchno-Issledovatel'skoi Veterinarnoi Stantsii (1976), 3, 153-7
CODEN: TINSDF
DT Journal
LA Russian

L44 ANSWER 10 OF 24 CA COPYRIGHT 2003 ACS on STN
AN 81:33484 CA
TI Vitamin A-induced nonspecific resistance to infection
AU Cohen, Benjamin E.; Elin, Ronald J.
CS Natl. Inst. Allergy Infect. Dis., Natl. Inst. Health, Bethesda, MD, USA
SO Journal of Infectious Diseases (1974), 129(5), 597-600
CODEN: JIDIAQ; ISSN: 0022-1899
DT Journal
LA English

L44 ANSWER 11 OF 24 CA COPYRIGHT 2003 ACS on STN
AN 79:51792 CA
TI Biological activity of substances synthesized by the *Blakeslea trispora* fungus
AU Balk, G. I.; Razumovskii, P. N.
CS USSR
SO Izvestiya Akademii Nauk Moldavskoi SSR, Biologicheskie i Khimicheskie Nauki (1973), (1), 36-40
CODEN: IMBKB6; ISSN: 0568-5192
DT Journal
LA Russian

L44 ANSWER 12 OF 24 CA COPYRIGHT 2003 ACS on STN
AN 76:81759 CA
TI Petroleum ether fraction
AU Rakova, T.
CS Vses. Nauchno-Issled. Inst. Nezaraznykh Bolezn. Zhivotnykh., USSR
SO Svinovodstvo (Moscow) (1971), (9), 32-3
CODEN: SVINAI; ISSN: 0039-713X
DT Journal
LA Russian

L44 ANSWER 13 OF 24 CA COPYRIGHT 2003 ACS on STN
AN 74:10902 CA
TI Effectiveness of various sources of vitamin A in poultry rations
AU Tkachev, I. F.; Semin, V. N.; Bukhtiyarova, O. N.
CS Kuban. Sel'skokhoz. Inst., Krasnodar, USSR
SO Vestnik Sel'skokhozyaistvennoi Nauki (Moscow) (1970), 15(9), 73-82
CODEN: VSNLAF; ISSN: 0206-6335
DT Journal
LA Russian

L44 ANSWER 14 OF 24 CA COPYRIGHT 2003 ACS on STN
AN 73:33958 CA

TI Efficiency of a local A-provitamin-containing product administered to broilers
 AU Gondos, Maria; Palamaru, E.; Maxim, Veturia; Nicolof, Ecaterina
 CS Inst. Cercet. Zooteh., Rom.
 SO Revista de Zootehnie si Medicina Veterinara (1969), 19(11), 12-20
 CODEN: RZMVAB; ISSN: 0370-811X
 DT Journal
 LA Romanian

L44 ANSWER 15 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 52:35906 CA
 OREF 52:6485f-i,6486a-d
 TI Development of Sphacelia segetum, conidial stage of Claviceps purpurea in different culture media
 AU Celayeta, Filomena Diaz
 SO Farmacognosia (1957), 17, 27-142
 CODEN: FARMA8; ISSN: 0014-8288
 DT Journal
 LA Unavailable

L44 ANSWER 16 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 50:16835 CA
 OREF 50:3556i,3557a-b
 TI Yeast dermatoses during antibiotic cures. III. Pathogenic and therapeutic studies with particular reference to the incidence of avitaminoses
 AU de Graciansky, P.; Leclercq, R.; Delaporte, J.; de Roumilly, P. Grouin
 CS Hop. St. Louis, Paris
 SO Semaine des Hopitaux (1955), 31, 2170-82
 CODEN: SHPAAI; ISSN: 0037-1777
 DT Journal
 LA Unavailable

L44 ANSWER 17 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 47:16266 CA
 OREF 47:2824a
 TI Monilia sitophila. IV. The pigment of Monilia sitophila
 AU Akaki, Morio; Ishii, Ryuichiro
 CS Osaka Munic. Inst. Domestic Sci.
 SO Hakko Kogaku Zasshi (1950), 28, 63-5
 CODEN: HKZAA2; ISSN: 0367-5963
 DT Journal
 LA Unavailable

L44 ANSWER 18 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 47:16265 CA
 OREF 47:2823h-i,2824a
 TI Monilia sitophila. III. The vitamins especially provitamin A produced by Monilia sitophila
 AU Akaki, Morio
 CS Osaka Munic. Inst. Domestic Sci.
 SO Hakko Kogaku Zasshi (1950), 28, 24-7
 CODEN: HKZAA2; ISSN: 0367-5963
 DT Journal
 LA Unavailable

L44 ANSWER 19 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 41:8536 CA
 OREF 41:1792d-i,1793a-b
 TI Annual report of New York State College of Agriculture and the Cornell University Agricultural Experiment Station, 1945
 AU Day, Edmund E.; Myers, Wm. I.; Gibson, Anson Wright; Simons, Lloyd R.; Guterman, C. E. F.

CS Ithaca
SO N.Y. (Cornell) Agr. Expt. Sta., Ann. Rept. (1946), 58, 182 pp.
DT Journal
LA Unavailable

L44 ANSWER 20 OF 24 CA COPYRIGHT 2003 ACS on STN
AN 41:6675 CA
OREF 41:1365c-i,1366a-c
TI Report on agricultural research for the year ending June 30, 1945. I
AU Buchanan, R. E.; Stevenson, W. H.
CS Ames
SO Iowa Agr. Expt. Sta. (1945) 355 pp.
DT Journal
LA Unavailable

L44 ANSWER 21 OF 24 CA COPYRIGHT 2003 ACS on STN
AN 40:33649 CA
OREF 40:6545a-b
TI Influence of various synthetic vitamins on the development of pathogenic
hyphomycetes found in man
AU Grixoni, Francesco
CS Univ., Sassari, Italy
SO Bollettino - Societa Italiana di Biologia Sperimentale (1945), 20, 677-8
CODEN: BSIBAC; ISSN: 0037-8771
DT Journal
LA Unavailable

L44 ANSWER 22 OF 24 CA COPYRIGHT 2003 ACS on STN
AN 40:28108 CA
OREF 40:5511f-i,5512d-i,5513a-g
TI Nebraska agriculture 1944
AU Burr, W. W.
SO Nebraska Agr. Expt. Sta., Ann. Rept. (1945), 58, 124 pp.
DT Journal
LA Unavailable

L44 ANSWER 23 OF 24 CA COPYRIGHT 2003 ACS on STN
AN 39:20934 CA
OREF 39:3332e-i,3333a-b
TI The nutrition of trout
AU Tunison, A. V.; Brockway, D. R.; Maxwell, J. M.; Dorr, A. L.; McCay, C. M.
SO N. Y. State Conservation Dept., Fisheries Research Bull. (1942),
4(Cortland Hatchery Rept. 11), 52 pp.
DT Journal
LA Unavailable

L44 ANSWER 24 OF 24 CA COPYRIGHT 2003 ACS on STN
AN 30:42326 CA
OREF 30:5617i,5618a-b
TI Vitamin content of fungi
AU Scheunert, A.
SO IV Congr. intern. tech. chim. ind. agr. Bruxelles (1935), 1;1D, 7 pp.
DT Journal
LA Unavailable

=> d 144 14 all

L44 ANSWER 14 OF 24 CA COPYRIGHT 2003 ACS on STN
AN 73:33958 CA
TI Efficiency of a local A-provitamin-containing product administered to
broilers

AU Gondos, Maria; Palamaru, E.; Maxim, Veturia; Nicolof, Ecaterina
 CS Inst. Cercet. Zooteh., Rom.
 SO Revista de Zootehnie si Medicina Veterinara (1969), 19(11), 12-20
 CODEN: RZMVAB; ISSN: 0370-811X
 DT Journal
 LA Romanian
 CC 17 (Foods)
 AB A product of the **fungus** *Blakeslea trispora* (30-5.6% protein, 8.5-10% fat, 8 mg .beta.-carotene/g) was used instead of **vitamin A** as a food additive. Wt. gains, and specific consumption did not show significant differences. A dose of 20,000 .mu.g .beta.-carotene/kg mixed feed decreased mortality from 4.8 to 2%.
 ST fungal provitamin A feeds; provitamin A fungal feeds; feeds fungal provitamin A; carotene *Blakeslea* feeds; *Blakeslea* carotene feeds; chicken feeds carotenes
 IT Feed, preparation
 (carotene-contg. compns. for broiler, from *Blakeslea trispora*)
 IT *Blakeslea*
 (*trispora*, carotene-contg. compns. from, for broiler feeds)
 IT 7235-40-7
 RL: BIOL (Biological study)
 (compns., for broiler feeds)

=> d 144 16 all

L44 ANSWER 16 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 50:16835 CA
 OREF 50:3556i,3557a-b
 TI Yeast dermatoses during antibiotic cures. III. Pathogenic and therapeutic studies with particular reference to the incidence of avitaminoses
 AU de Graciansky, P.; Leclercq, R.; Delaporte, J.; de Roumilly, P. Grouin
 CS Hop. St. Louis, Paris
 SO Semaine des Hopitaux (1955), 31, 2170-82
 CODEN: SHPAAI; ISSN: 0037-1777
 DT Journal
 LA Unavailable
 CC 11C (Biological Chemistry: Microbiology)
 AB The growth of *Candida albicans* var. *stellatoidea* was not or only very slightly stimulated by penicillin, streptomycin, Terramycin, chloramphenicol, Aureomycin, and tyrothricin, but the partial destruction of the genuine microflora favored the development of *C. albicans*. The fungistatic effect attributed to riboflavine was from Nipagin or Nipasol, antiseptics added to com. riboflavine prepns. Pure Na riboflavinephosphate, 0.2%, did not inhibit the **fungus** on liquid Sabouraud medium. Venous *C. albicans* infection in control rats gave a slight reaction, but in lots deficient in protein, riboflavine, axerophthol or thiamine, there was resp., 100, 83, 85 and 60% mortality. 115 references.
 IT Proteins
 (deficiency of, dermatoses from yeast and)
 IT Skin
 (diseases or lesions of, during antibiotic therapy)
 IT Avitaminosis or Hypovitaminosis
 (from antibiotics)
 IT Antibiotic substances
 (yeast dermatoses from)
 IT *Candida*
 (*albicans* var. *stellatoidea*, effect of antibiotics on)
 IT **Vitamin A**
 (Avitaminosis or Hypovitaminosis, yeast dermatoses and)
 IT Penicillins

- (effect on *Candida albicans* var. *stellatoidea*, avitaminosis and yeast dermatoses in relation to)
- IT 59-43-8, Vitamin B1
(Avitaminosis or Hypovitaminosis, yeast dermatoses and)
- IT 94-13-3, Benzoic acid, p-hydroxy-, propyl ester 99-76-3, Nipagin
(effect on *Candida albicans* var. *stellatoidea*)
- IT 57-62-5, Chlortetracycline 79-57-2, Oxytetracycline 1404-88-2, Tyrothricin
(effect on *Candida albicans* var. *stellatoidea*, avitaminosis and yeast dermatoses in relation to)
- IT 56-75-7, Chloramphenicol
(effect on *Candida albicans*, avitaminosis and yeast dermatoses in relation to)
- IT 99-96-7, Benzoic acid, p-hydroxy-
(esters, effect on *Candida albicans* var. *rettatoidea*)
- IT 83-88-5, Vitamin, B2
(fungistatic effect of, nipogin and nipasol in)
- IT 57-92-1, Streptomycin
(*Candida albicans* var. *stellatoidea* response to, avitaminosis and yeast dermatoses in relation to)

=> d 144 13 all

L44 ANSWER 13 OF 24 CA COPYRIGHT 2003 ACS on STN
AN 74:10902 CA
TI Effectiveness of various sources of **vitamin A** in poultry rations
AU Tkachev, I. F.; Semin, V. N.; Bukhtiyarova, O. N.
CS Kuban. Sel'skokhoz. Inst., Krasnodar, USSR
SO Vestnik Sel'skokhozyaistvennoi Nauki (Moscow) (1970), 15(9), 73-82
CODEN: VSNLAF; ISSN: 0206-6335
DT Journal
LA Russian
CC 10 (Animal Nutrition)
AB A new feed prepn. contg. .beta.-carotene, obtained by microbial synthesis with the aid of *Blakeslea trispora*, was compared in feeding expts. with 9 groups of chicks with other sources of **vitamin A**. The **fungus** *B. trispora* was grown on a medium consisting of soybean and corn meal, enriched with .beta.-ionone and sunflower oil. After a 5-6 days fermentation, mycelium was sepd. on press filters and the mass dried in a vacuum drier. The final product is a red, loose, oily biomass contg. 4-16 mg of carotenoids in 1 g, chiefly (90%) .beta.-carotene, the rest .alpha.- and .gamma.-carotenes, and lycopine, besides thiamine, riboflavine, pantothenic acid, pyridoxine, nicotinic acid, and vitamin B12; the biomass contained 55-56% lipids, and 25-30% proteins including essential amino acids. In chicks receiving equal basic rations, **vitamin A** acetate, fed alone or with carrots as the carotene source, produced the best wt. gains (16-18%), followed by microbial carotene + lucerne meal (13%), and carrots and gourd carotene. The same order of effectiveness was obsd. in the survival of the chicks. The sources of **vitamin A** examd. had no appreciable effect on the digestibility of food and the metabolism of N and minerals. In analogous expts. with 5-12-month-old hens, the groups receiving **vitamin A** acetate or other carotene began to produce eggs in 130-140 days (173 days in controls). The highest productivity was in the group receiving microbial carotene. The group receiving microbial carotene had the lowest consumption of food 1 kg of egg mass. Microbial carotene appeared to be not inferior to carrots and gourd carotene in biol. quality and approached **vitamin A** acetate effectiveness. Recommended doses for 100 g of feed: 1000 .mu.g up to 30 days of age, 1500 .mu.g from 30-60 days, 2000 .mu.g from 60-90 days; and

200-2500 .mu.g for egg-laying hens.

ST **vitamin A** carotene Blakeslea poultry; poultry
vitamin A carotene Blakeslea; Blakeslea carotene
vitamin A poultry; carotene **vitamin A**
 Blakeslea poultry; feeds poultry **vitamin A** Blakeslea

IT Chickens
 (Blakeslea trispora mycelium as **vitamin A** source
 for)

IT Lipids
 Proteins
 Vitamins, biological studies
 RL: BIOL (Biological study)
 (of mycelium of Blakeslea trispora)

IT Carotenes
 Carotenoids
 RL: BIOL (Biological study)
 (of mycelium of Blakeslea trispora, as **vitamin A**
 source for chicks)

IT Blakeslea
 (trispora, mycelium of, as **vitamin A** source for
 chicks)

IT **Vitamin A**
 RL: BIOL (Biological study)
 (Blakeslea trispora mycelium as source of, for chicks)

=> d 144 10 all

L44 ANSWER 10 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 81:33484 CA
 TI **Vitamin A**-induced nonspecific resistance to infection
 AU Cohen, Benjamin E.; Elin, Ronald J.
 CS Natl. Inst. Allergy Infect. Dis., Natl. Inst. Health, Bethesda, MD, USA
 SO Journal of Infectious Diseases (1974), 129(5), 597-600
 CODEN: JIDIAQ; ISSN: 0022-1899
 DT Journal
 LA English
 CC 1-5 (Pharmacodynamics)
 AB Pretreatment of mice with 4 daily i.p. injections of 3000 IU
vitamin A palmitate [37340-08-2] decreased mortality
 from infections with gram-neg. (*Pseudomonas aeruginosa*) or gram-pos.
 (*Listeria monocytogenes*) bacteria or with fungi (*Candida albicans*). Five
 hr after challenge with *P. aeruginosa*, the treated mice had sterile blood,
 whereas control mice showed persistent bacteremia until death. The
 vitamin did not affect in vitro growth of the organisms.

ST **vitamin A** infection; bacteria infection
vitamin A; fungus infection **vitamin**
A

IT *Candida albicans*
Listeria monocytogenes
Pseudomonas aeruginosa
 (infection with, **vitamin A** effect on)

IT 79-81-2
 RL: BIOL (Biological study)
 (bacterial and fungal infection response to)

=> d 144 6 all

L44 ANSWER 6 OF 24 CA COPYRIGHT 2003 ACS on STN
 AN 102:154827 CA
 TI Antibiotic composition for veterinary use

IN Speeche, Andre
PA S.S.M. International Chemical Co. Ltd., St. Vincent
SO PCT Int. Appl., 8 pp.
CODEN: PIXXD2

DT Patent

LA French

IC A61K037-02; A61K031-65

ICI A61K037-02, A61K031-65, A61K031-43

CC 63-6 (Pharmaceuticals)

Section cross-reference(s): 17

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8404249	A2	19841108	WO 1984-BE12	19840502
	WO 8404249	A3	19850314		
	W: DK, JP, US				
	RW: AT, BE, CH, DE, FR, GB, LU, NL, SE				
	ZA 8403277	A	19841224	ZA 1984-3277	19840502
	EP 150186	A1	19850807	EP 1984-901729	19840502
	R: AT, BE, CH, DE, FR, GB, LI, LU, NL, SE				
	CA 1221635	A1	19870512	CA 1984-453413	19840502
	JP 01500746	T2	19890316	JP 1984-501885	19840502
	DK 8500035	A	19850103	DK 1985-35	19850103
PRAI	LU 1983-84786		19830503		
	WO 1984-BE12		19840502		

AB An antibiotic compn. comprising oxytetracycline-HCl [2058-46-0], procaine benzylpenicillin [6130-64-9], and colistin sulfate [1264-72-8] has a combined synergistic activity against mycosis caused by **fungus**, pneumonia, necrosis and peritonitis. Thus, a compn. contained oxytetracycline-HCl 926, procaine benzylpenicillin 24,000, and colistine sulfate 10-100 mg and Povidone, a constituent of the solvent and water to 1 mL. This was then mixed with a compn. prepd. from Mg formaldehyde bisulfite 7, MgO 7, Me p-hydroxybenzoate 0.68, **vitamin A** 3.5, and Pr p-hydroxybenzoate 0.12 mg and diluents CM-cellulose and Povidone dissolved in 12 mg propylene glycol.

ST antibiotic pharmaceutical veterinary; mycosis antibiotic veterinary; peritonitis antibiotic veterinary; necrosis antibiotic veterinary; pneumonia antibiotic veterinary

IT Fungicides and Fungistats

(synergistic antibiotic compns., for veterinary use)

IT Antibiotics

(synergistic veterinary compns.)

IT Necrosis

Pneumonia

(treatment of, with synergistic veterinary antibiotic compns.)

IT Peritoneum

(disease, peritonitis, treatment of, with synergistic veterinary antibiotic compns.)

IT 1264-72-8 2058-46-0 6130-64-9

RL: BIOL (Biological study)

(synergistic antibiotic pharmaceuticals contg., for veterinary use)

=> d 144 5 all

L44 ANSWER 5 OF 24 CA COPYRIGHT 2003 ACS on STN

AN 108:44049 CA

TI Pharmaceutical compositions containing propylene glycol and/or polyethylene glycol and urea as active main components and use thereof in treatment of skin disorders

IN Moberg, Sven

PA Swed.

SO PCT Int. Appl., 43 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM A61K031-17
 ICS A61K031-045; A61K031-765; A61K007-04; A61K007-48; A61K047-00
 CC 63-6 (Pharmaceuticals)
 Section cross-reference(s): 62
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8704617	A1	19870813	WO 1987-SE53	19870204
	W: AU, BB, BG, BR, DK, FI, HU, JP, KP, KR, LK, MC, MG, MW, NO, RO, SD, SU, US				
	RW: AT, BE, CF, CG, CH, CM, DE, FR, GA, GB, IT, LU, ML, MR, NL, SE, SN, TD, TG				
	SE 8600501	A	19870805	SE 1986-501	19860204
	SE 462139	B	19900514		
	SE 462139	C	19900906		
	AU 8770239	A1	19870825	AU 1987-70239	19870204
	AU 599086	B2	19900712		
	EP 292495	A1	19881130	EP 1987-901161	19870204
	EP 292495	B1	19910918		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	AT 67409	E	19911015	AT 1987-901161	19870204
	DK 8705193	A	19871002	DK 1987-5193	19871002
	DK 165440	B	19921130		
	DK 165440	C	19930413		
	NO 8704150	A	19871202	NO 1987-4150	19871002
	NO 174764	B	19940328		
	NO 174764	C	19940706		
	CA 1330198	A1	19940614	CA 1988-573123	19880727
	US 5525635	A	19960611	US 1993-150245	19931109
PRAI	SE 1986-501		19860204		
	EP 1987-901161		19870204		
	WO 1987-SE53		19870204		
	US 1988-230375		19880921		
	US 1990-590432		19900927		
	US 1992-964104		19921008		
AB	A compn. for treatment of hyperkeratotic skin diseases, seborrheic eczema, dermatomycosis and onychomycosis, and thickened and chapped skin comprises propylene glycol and(or) polyethylene glycol 40-80, urea 5-20, and other active substances and(or) additives 0.55% by wt. Tinea man (fungus infection) on the hand was healed by 1 mo of treatments with a compn. contg. urea 20, lactic acid 10, and propylene glycol 70% or these 3 at 15, 10, and 67-69.5% with added 85% glycerol 5 and gel-forming agent 0.5-37.				
ST	skin disease urea propylene glycol; polyethylene glycol urea skin disease				
IT	Corticosteroids, biological studies				
	RL: BIOL (Biological study)				
	(fluorinated, pharmaceutical compns. contg. propylene glycol and(or) polyethylene glycol and urea and, for skin disorders treatment)				
IT	Fungicides and Fungistats				
	(pharmaceutical compns. contg. propylene glycol and(or) polyethylene glycol and urea and, for skin disorders treatment)				
IT	Psoriasis				
	Skin, disease or disorder				
	(treatment of, urea-propylene glycol or -polyethylene glycol compns. for)				
IT	Eczema				
	Mycosis				
	Wart				

(treatment of, urea-propylene glycol-lactic acid compns. for)

IT Gelation
(agents, pharmaceutical compns. contg. propylene glycol and(or)
polyethylene glycol and urea and, for skin disorders treatment)

IT Mycosis
(dermato-, treatment of, urea-propylene glycol or -polyethylene glycol
compns. for)

IT Nail (anatomical)
(disease, onychia, treatment of, urea-propylene glycol-lactic acid
compns. for)

IT Nail (anatomical)
(disease, onychomycosis, treatment of, urea-propylene glycol or
-polyethylene glycol compns. for)

IT Scalp
(disease, seborrheic dermatitis, treatment of, urea-propylene glycol or
-polyethylene glycol compns. for)

IT Corticosteroids, biological studies
RL: BIOL (Biological study)
(gluco-, pharmaceutical compns. contg. propylene glycol and(or)
polyethylene glycol and urea and, for skin disorders treatment)

IT Keratosis
(hyper-, treatment of, urea-propylene glycol or -polyethylene glycol
compns. for)

IT Eczema
(hyperkeratotic, treatment of, urea-propylene glycol-lactic acid
compns. for)

IT Skin, disease or disorder
(rhagades, treatment of, urea-propylene glycol or -polyethylene glycol
compns. for)

IT Dermatitis
(seborrheic, treatment of, urea-propylene glycol or -polyethylene
glycol compns. for)

IT Eczema
(tylotic, treatment of, urea-propylene glycol-lactic acid compns. for)

IT Tinea (skin disease)
(versicolor, treatment of, urea-propylene glycol-lactic acid compns.
for)

IT 50-21-5, biological studies 50-23-7, Hydrocortisone 56-81-5,
biological studies 64-17-5, biological studies 69-72-7, biological
studies 288-32-4D, Imidazole, derivs. 302-79-4 9004-70-0
11103-57-4, **Vitamin A**
RL: BIOL (Biological study)
(pharmaceutical compns. contg. propylene glycol and(or) polyethylene
glycol and urea and, for skin disorders treatment)

IT 57-13-6, biological studies
RL: BIOL (Biological study)
(pharmaceutical compns. contg. propylene glycol and(or) polyethylene
glycol and, for skin disorders treatment)

IT 57-55-6, biological studies 25322-68-3
RL: BIOL (Biological study)
(pharmaceutical compns. contg. urea and, for skin disorders)

=> d his

(FILE 'HOME' ENTERED AT 15:31:51 ON 04 AUG 2003)

FILE 'REGISTRY' ENTERED AT 15:32:03 ON 04 AUG 2003

L1 75 S FARNESOL
L2 1 S HEXANOYL SPHINGOSINE
L3 0 S OLEOYL BETAINE
L4 55 S URSOLIC ACID

L5 165 S IONONE
 L6 0 S UTRECT-2
 L7 1 S UTRECHT 2
 L8 5 S BIFONAZOLE
 L9 6 S CLOTRIMAZOLE
 L10 5 S KETOCONAZOLE
 L11 15 S MICONAZOLE
 L12 0 S DAIZEDEIN
 L13 51 S DAIDZEIN
 L14 75 S GENISTEIN
 L15 0 S PHYTOESTRAGEN
 E PHYTOESTROGEN
 L16 3 S E3

FILE 'CA' ENTERED AT 15:42:33 ON 04 AUG 2003

L17 10486 S RETINOL
 L18 0 S GLUTAMASE TRANSAMINASE
 L19 189 S GLUTAMATE TRANSAMINASE
 L20 0 S L19 AND L17
 L21 19649 S TRANSAMINASE
 L22 24 S L21 AND L17
 E DERMAL
 L23 11755 S E3-E11
 L24 3285 S L1
 E PHYTOESTROGEN
 L25 1454 S E3-E8
 L26 1 S L25 AND L23
 E SKIN
 L27 184746 S E3
 L28 22 S L27 AND L25
 L29 0 S RESVESEROL
 L30 1408 S RESVERATROL
 L31 4 S L30 AND L23
 L32 0 S L24 AND L30
 E FUNGUS
 L33 40001 S E3
 L34 21 S L33 AND L30
 L35 2462 S L13
 L36 3825 S L14
 L37 2384 S L10
 L38 1454 S L9
 L39 2 S L38 AND L35
 L40 47 S L35 AND L33
 L41 11 S L17 AND L33
 L42 28516 S VITAMIN A
 L43 26 S L42 AND L33
 L44 24 S L43 NOT L41

=> s 124 and 133

L45 38 L24 AND L33

=> d 145 1-38

L45 ANSWER 1 OF 38 CA COPYRIGHT 2003 ACS on STN

AN 139:32093 CA

TI Adhesion inhibition of molds

IN Bockmuehl, Dirk; Breves, Roland; Weide, Mirko; Hoehne, Heide-Marie;
Heinzel, Michael

PA Henkel Kommanditgesellschaft Auf Aktien, Germany

SO PCT Int. Appl., 44 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003051126	A1	20030626	WO 2002-EP14322	20021216
	W:	AU, BR, BY, CA, CN, DE, DZ, HU, ID, IL, IN, JP, KR, MX, NO, NZ, PL, RO, RU, SG, UA, US, UZ, VN, YU, ZA			
	RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR			

PRAI DE 2001-10162142 A 20011218

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 2 OF 38 CA COPYRIGHT 2003 ACS on STN

AN 137:261996 CA

TI Prenyl alcohol enhanced manufacture with microorganism in the presence of squalene synthase inhibitor

IN Muramatsu, Masayoshi; Obata, Mitsuo; Shimizu, Akira

PA Toyota Motor Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 37 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002300896	A2	20021015	JP 2002-10528	20020118
PRAI	JP 2001-21547	A	20010130		

L45 ANSWER 3 OF 38 CA COPYRIGHT 2003 ACS on STN

AN 137:88442 CA

TI Incensole and furanogermacrene and compounds in treatment for inhibiting neoplastic lesions and microorganisms

IN Shanahan-Pendergast, Elisabeth

PA Ire.

SO PCT Int. Appl., 68 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002053138	A2	20020711	WO 2002-IE1	20020102
	WO 2002053138	A3	20020919		
	W:	AE, AG, AT, AU, BB, BG, CA, CH, CN, CO, CU, CZ, LU, LV, MA, MD, UA, UG, US, VN, YU, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, AT, BE, CH, CY, DE, ES, FI, ML, MR, NE, SN, TD, TG			

PRAI IE 2001-2 A 20010102

OS MARPAT 137:88442

L45 ANSWER 4 OF 38 CA COPYRIGHT 2003 ACS on STN

AN 137:78001 CA

TI Microorganisms for prodn. of prenyl alcohol

IN Muramatsu, Masayoshi; Obata, Shusei; Shimizu, Sakayu

PA Toyota Jidosha Kabushiki Kaisha, Japan

SO Eur. Pat. Appl., 60 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
--	------------	------	------	-----------------	------

PI	EP 1219704	A2	20020703	EP 2001-130425	20011220
	EP 1219704	A3	20030102		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	JP 2002291494	A2	20021008	JP 2001-375842	20011210
	US 2003096385	A1	20030522	US 2001-22434	20011220
PRAI	JP 2000-401951	A	20001228		
	JP 2001-375842	A	20011210		

L45 ANSWER 5 OF 38 CA COPYRIGHT 2003 ACS on STN
AN 137:62266 CA
TI Microorganisms for production of geranylgeraniol and analogous compounds
IN Muramatsu, Masayoshi; Obata, Shusei; Shimizu, Sakayu
PA Toyota Jidosha Kabushiki Kaisha, Japan
SO Eur. Pat. Appl., 32 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1219714	A2	20020703	EP 2001-130424	20011220
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	JP 2002253284	A2	20020910	JP 2001-376173	20011210
	US 2002187532	A1	20021212	US 2001-22695	20011220
PRAI	JP 2000-401266	A	20001228		
	JP 2001-376173	A	20011210		

L45 ANSWER 6 OF 38 CA COPYRIGHT 2003 ACS on STN
AN 135:223875 CA
TI Quorum sensing in the dimorphic **fungus** *Candida albicans* is mediated by farnesol
AU Hornby, Jacob M.; Jensen, Ellen C.; Lisec, Amber D.; Tasto, Joseph J.; Jahnke, Brandon; Shoemaker, Richard; Dussault, Patrick; Nickerson, Kenneth W.
CS School of Biological Sciences, University of Nebraska, Lincoln, NE, 68588-0666, USA
SO Applied and Environmental Microbiology (2001), 67(7), 2982-2992
CODEN: AEMIDF; ISSN: 0099-2240
PB American Society for Microbiology
DT Journal
LA English
RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 7 OF 38 CA COPYRIGHT 2003 ACS on STN
AN 135:58229 CA
TI Purification and characterization of an autoregulatory substance capable of regulating the morphological transition in *Candida albicans*
AU Oh, Ki-Bong; Miyazawa, Hiroshi; Naito, Toshimichi; Matsuoka, Hideaki
CS Natural Products Research Institute, Seoul National University, Seoul, 110-460, S. Korea
SO Proceedings of the National Academy of Sciences of the United States of America (2001), 98(8), 4664-4668
CODEN: PNASA6; ISSN: 0027-8424
PB National Academy of Sciences
DT Journal
LA English
RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 8 OF 38 CA COPYRIGHT 2003 ACS on STN
AN 132:320577 CA
TI The branch point enzyme of the mevalonate pathway for protein prenylation
is overexpressed in the ob/ob mouse and induced by adipogenesis
AU Vicent, David; Maratos-Flier, Eleftheria; Kahn, C. Ronald
CS Research Division, Joslin Diabetes Center, and Department of Medicine,
Harvard Medical School, Boston, MA, 02215, USA
SO Molecular and Cellular Biology (2000), 20(6), 2158-2166
CODEN: MCEBD4; ISSN: 0270-7306
PB American Society for Microbiology
DT Journal
LA English
RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 9 OF 38 CA COPYRIGHT 2003 ACS on STN
AN 130:114824 CA
TI Antimicrobial and antioxidant properties of some commercial essential oils
AU Baratta, M. Tiziana; Dorman, H. J. Damien; Deans, Stanley G.; Figueiredo,
A. Cristina; Barroso, Jose G.; Ruberto, Giuseppe
CS Department of Biochemical Sciences, Scottish Agricultural College,
Auchincruive, Ayr, KA6 5HW, UK
SO Flavour and Fragrance Journal (1998), 13(4), 235-244
CODEN: FFJOED; ISSN: 0882-5734
PB John Wiley & Sons Ltd.
DT Journal
LA English
RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 10 OF 38 CA COPYRIGHT 2003 ACS on STN
AN 129:25530 CA
TI Biotransformation of (2Z,6Z)-farnesol by the plant pathogenic
fungus Glomerella cingulata
AU Nankai, Hirokazu; Miyazawa, Mitsuo; Kameoka, Hiromu
CS Department of Applied Chemistry, Faculty of Science and Engineering, Kinki
University, Osaka, 577-0818, Japan
SO Phytochemistry (1998), 47(6), 1025-1028
CODEN: PYTCAS; ISSN: 0031-9422
PB Elsevier Science Ltd.
DT Journal
LA English
RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 11 OF 38 CA COPYRIGHT 2003 ACS on STN
AN 126:328097 CA
TI Enzyme activities in cell suspension cultures of two hop cultivars after
elicitation by a fungal culture filtrate
AU Trevisan, M. T. S.; Valdifia, A. C. Ramos; Scheffer, J. J. C.; Verpoorte,
R.
CS Leiden/Amsterdam Cent. Drug Res., Leiden Univ., Leiden, 2300 RA, Neth.
SO Biotechnology Letters (1997), 19(3), 207-211
CODEN: BILED3; ISSN: 0141-5492
PB Chapman and Hall
DT Journal
LA English

L45 ANSWER 12 OF 38 CA COPYRIGHT 2003 ACS on STN
AN 125:296812 CA
TI Biotransformation of acyclic terpenoid (2E,6E)-farnesol by plant

pathogenic **fungus** *Glomerella cingulata*
 AU Miyazawa, Mitsuo; Nankai, Hirokazu; Kameoka, Hiromu
 CS Department Applied chemistry, Kinki University, Osaka, 577, Japan
 SO Phytochemistry (1996), 43(1), 105-109
 CODEN: PYTCAS; ISSN: 0031-9422
 PB Elsevier
 DT Journal
 LA English

L45 ANSWER 13 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 125:239701 CA
 TI Cloning and Heterologous Expression of a Second (+)-.delta.-Cadinene Synthase from *Gossypium arboreum*
 AU Chen, Xiao-Ya; Wang, Mansi; Chen, Yuan; Jo Davisson, V.; Heinstein, Peter
 CS Department of Medicinal Chemistry and Molecular Pharmacology, Purdue University, West Lafayette, IN, 47907-1333, USA
 SO Journal of Natural Products (1996), 59(10), 944-951
 CODEN: JNPRDF; ISSN: 0163-3864
 PB American Chemical Society
 DT Journal
 LA English

L45 ANSWER 14 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 125:28108 CA
 TI The fungal teratogen secalonic acid D is an inhibitor of protein kinase C and of cyclic AMP-dependent protein kinase
 AU Wang, Bing Hui; Polya, Gideon M.
 CS Sch. Biochem., La Trobe Univ., Victoria, 3083, Australia
 SO Planta Medica (1996), 62(2), 111-114
 CODEN: PLMEAA; ISSN: 0032-0943
 PB Thieme
 DT Journal
 LA English

L45 ANSWER 15 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 123:107379 CA
 TI Studies on chemical components of mushrooms. Part V. Two chemotypes of *Boletinus cavipes*
 AU Wada, Tomonari; Kobata, Kenji; Hayashi, Yasuo; Shibata, Hisao
 CS Dept. Biosci. and Biotech., Shinshu Univ., Nagano, 399-45, Japan
 SO Bioscience, Biotechnology, and Biochemistry (1995), 59(6), 1036-9
 CODEN: BBBIEJ; ISSN: 0916-8451
 PB Japan Society for Bioscience, Biotechnology, and Agrochemistry
 DT Journal
 LA English

L45 ANSWER 16 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 123:52084 CA
 TI Antifungal properties of essential oils and their main components upon *Cryptococcus neoformans*
 AU Viollon, Catherine; Chaumont, Jean-Pierre
 CS Laboratory Botany, Faculty Medicine and Pharmacy, Besancon, Fr.
 SO Mycopathologia (1994), 128(3), 151-3
 CODEN: MYCPAH; ISSN: 0301-486X
 DT Journal
 LA English

L45 ANSWER 17 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 120:321664 CA
 TI Antimycotic effect of cardamom essential oil components on toxigenic molds
 AU Badei, A.Z.M.
 CS Fac. Agric., Cairo Univ., Giza, Egypt

SO Egyptian Journal of Food Science (1992), 20(3), 441-52
CODEN: EJFSAI; ISSN: 0301-8571
DT Journal
LA English

L45 ANSWER 18 OF 38 CA COPYRIGHT 2003 ACS on STN
AN 120:27062 CA
TI Isolation and structure of chaetomelic acids A and B from Chaetomella
acutiseta: farnesyl pyrophosphate mimic inhibitors of ras farnesyl-protein
transferase
AU Singh, Sheo B.; Zink, Deborah L.; Liesch, Jerrold M.; Goetz, Michael A.;
Jenkins, Rosalind G.; Nallin-Omstead, Mary; Silverman, Keith C.; Bills,
Gerald F.; Misley, Ralph T.
CS Merck Res. Lab., Rahway, NJ, 07065, USA
SO Tetrahedron (1993), 49(27), 5917-26
CODEN: TETRAB; ISSN: 0040-4020
DT Journal
LA English

L45 ANSWER 19 OF 38 CA COPYRIGHT 2003 ACS on STN
AN 116:124733 CA
TI Fungitoxic activity of some terpenoids against ringworm fungus,
Microsporium gypseum
AU Mishra, D. N.; Dixit, Vivek; Tiwari, Ramesh
CS Dep. Bot., Univ. Gorakhpur, Gorakhpur, 273 009, India
SO National Academy Science Letters (India) (1991), 14(4), 169-70
CODEN: NASLDX; ISSN: 0250-541X
DT Journal
LA English

L45 ANSWER 20 OF 38 CA COPYRIGHT 2003 ACS on STN
AN 114:77061 CA
TI Pheromone baits for social insects
IN Howse, Philip Edwin
PA University of Southampton, UK
SO PCT Int. Appl., 20 pp.
CODEN: PIXXD2
DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	---	-----	-----
PI	WO 9011012	A1	19901004	WO 1990-GB415	19900319
	W: BR, ES, US				
	BR 9007238	A	19920225	BR 1990-7238	19900319
	US 6344208	B1	20020205	US 1993-99248	19930729
PRAI	GB 1989-6382	A	19890320		
	US 1990-776262	B1	19900319		
	WO 1990-GB415	A	19900319		

L45 ANSWER 21 OF 38 CA COPYRIGHT 2003 ACS on STN
AN 113:112327 CA
TI Antibacterial and antifungal properties of essential oil components
AU Knobloch, Karl; Pauli, Alexander; Iberl, Bernard; Weigand, Hildegunde;
Weis, Norbert
CS Inst. Bot. Pharm. Biol. Aromagarten, Univ. Erlangen-Nurnberg, Erlangen,
D-8520, Fed. Rep. Ger.
SO Journal of Essential Oil Research (1989), 1(3), 119-28
CODEN: JEOREG; ISSN: 1041-2905
DT Journal
LA English

L45 ANSWER 22 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 113:74457 CA
 TI Presqualene alcohol, squalene, and sterol biosynthesis from bifarnesol
 AU Nes, W. David; Phu, Le; Van Tamelen, Eugene E.; Leopold, Eric J.
 CS Plant Physiol. Res. Unit, Richard B. Russel Res. Cent., Athens, GA, 30613, USA
 SO Experimental Mycology (1990), 14(1), 74-7
 CODEN: EXMYD2; ISSN: 0147-5975
 DT Journal
 LA English

L45 ANSWER 23 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 110:72663 CA
 TI Induction of sesquiterpene cyclase and suppression of squalene synthetase activities in plant cell cultures treated with fungal elicitor
 AU Vogeli, Urs; Chappell, Joseph
 CS Agron. Dep., Univ. Kentucky, Lexington, KY, 40546, USA
 SO Plant Physiology (1988), 88(4), 1291-6
 CODEN: PLPHAY; ISSN: 0032-0889
 DT Journal
 LA English

L45 ANSWER 24 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 106:152675 CA
 TI Isopulegol from liquid cultures of the **fungus** *Ceratocystis coerulea* (Ascomycotina).
 AU Koch, Wolf Gerald; Sinnwell, Volker
 CS Univ. Hamburg, Hamburg, D-2000/13, Fed. Rep. Ger.
 SO Zeitschrift fuer Naturforschung, C: Journal of Biosciences (1987), 42(1-2), 159-61
 CODEN: ZNCBDA; ISSN: 0341-0382
 DT Journal
 LA English

L45 ANSWER 25 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 106:134825 CA
 TI Biosynthesis of flavor compounds by microorganisms. 6. Odorous constituents of *Polyporus durus* (Basidiomycetes)
 AU Berger, R. G.; Neuhaeuser, K.; Drawert, F.
 CS Inst. Lebensmitteltechnol. Anal. Chem., Tech. Univ. Muenchen, Freising, D-8050/12, Fed. Rep. Ger.
 SO Zeitschrift fuer Naturforschung, C: Journal of Biosciences (1986), 41(11-12), 963-70
 CODEN: ZNCBDA; ISSN: 0341-0382
 DT Journal
 LA English

L45 ANSWER 26 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 103:84671 CA
 TI Sesquiterpene alcohols from *Lentinus lepideus*
 AU Hanssen, Hans Peter
 CS Univ. Hamburg, Hamburg, D-2000/13, Fed. Rep. Ger.
 SO Phytochemistry (Elsevier) (1985), 24(6), 1293-4
 CODEN: PYTCAS; ISSN: 0031-9422
 DT Journal
 LA English

L45 ANSWER 27 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 101:226514 CA
 TI Biosynthesis of abscisic acid from farnesol derivatives in *Cercospora rosicola*
 AU Bennett, Raymond D.; Norman, Shirley M.; Maier, V. P.

CS Fruit Veg. Chem. Lab., ARS, Pasadena, CA, 91106, USA
 SO Phytochemistry (Elsevier) (1984), 23(9), 1913-15
 CODEN: PYTCAS; ISSN: 0031-9422
 DT Journal
 LA English

L45 ANSWER 28 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 101:19509 CA
 TI Characterization and activity change of farnesol dehydrogenase in black
 rot **fungus**-infected sweet potato
 AU Inoue, Hiromasa; Tsuji, Hiroko; Uritani, Ikuzo
 CS Fac. Agric., Nagoya Univ., Nagoya, 464, Japan
 SO Agricultural and Biological Chemistry (1984), 48(3), 733-8
 CODEN: ABCHA6; ISSN: 0002-1369
 DT Journal
 LA English

L45 ANSWER 29 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 94:12921 CA
 TI Effect of abscisic acid on rishitin and lubimin accumulation and
 resistance to Phytophthora infestans and Cladosporium cucumerinum in
 potato tuber tissue slices
 AU Henfling, J. W. D. M.; Bostock, R.; Kuc, J.
 CS Dep. Plant Pathol., Univ. Kentucky, Lexington, KY, 40546, USA
 SO Phytopathology (1980), 70(11), 1074-8
 CODEN: PHYTAJ; ISSN: 0031-949X
 DT Journal
 LA English

L45 ANSWER 30 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 88:60065 CA
 TI **Fungus** pigments, XXXI. Farnesylphenols from Albatrellus species
 (Basidiomycetes)
 AU Besl, Helmut; Hoefle, Gerhard; Jendrny, Barbara; Jaegers, Erhard;
 Steglich, Wolfgang
 CS Inst. Org. Chem. Biochem., Univ. Bonn, Bonn, Fed. Rep. Ger.
 SO Chemische Berichte (1977), 110(12), 3770-6
 CODEN: CHBEAM; ISSN: 0009-2940
 DT Journal
 LA German

L45 ANSWER 31 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 85:59782 CA
 TI Role of sterols in relations between potato and Phytophthora infestans
 AU Metlitskii, L. V.; Ozeretskorskaya, O. L.; Vasyukova, N. I.; Davydova, M.
 A.; Segal, G. M.
 CS Inst. Biokhim. im. Bakha, Moscow, USSR
 SO Doklady Akademii Nauk SSSR (1976), 227(1), 244-7 [Biochem.]
 CODEN: DANKAS; ISSN: 0002-3264
 DT Journal
 LA Russian

L45 ANSWER 32 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 84:56495 CA
 TI Volatile terpenes in fungi
 AU Sprecher, E.; Kubeczka, K. H.; Ratschko, M.
 CS Univ. Hamburg, Hamburg, Fed. Rep. Ger.
 SO Archiv der Pharmazie (Weinheim, Germany) (1975), 308(11), 843-51
 CODEN: ARPMAS; ISSN: 0365-6233
 DT Journal
 LA German

L45 ANSWER 33 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 81:87760 CA
 TI Trans and cis hydration of racemic 10,11-epoxyfarnesol into optically active glycols by **fungus**
 AU Suzuki, Yoshikatsu; Imai, Kunio; Marumo, Shingo
 CS Dep. Agric. Chem., Nagoya Univ., Nagoya, Japan
 SO Journal of the American Chemical Society (1974), 96(11), 3703-5
 CODEN: JACSAT; ISSN: 0002-7863
 DT Journal
 LA English

L45 ANSWER 34 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 78:94649 CA
 TI Trans-to-cis 2,3-double bond isomerization of epoxyfarnesol and farnesol by **fungus**
 AU Suzuki, Yoshikatsu; Marumo, Shingo
 CS Dep. Agric. Chem., Nagoya Univ., Nagoya, Japan
 SO Tetrahedron Letters (1972), (50), 5101-4
 CODEN: TELEAY; ISSN: 0040-4039
 DT Journal
 LA English

L45 ANSWER 35 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 77:123686 CA
 TI Dolichols, ubiquinones, geranylgeraniol, and farnesol as the major metabolites of mevalonate in *Phytophthora cactorum*
 AU Richards, J. B.; Hemming, F. W.
 CS Dep. Biochem., Univ. Liverp., Liverpool, UK
 SO Biochemical Journal (1972), 128(5), 1345-52
 CODEN: BIJOAK; ISSN: 0264-6021
 DT Journal
 LA English

L45 ANSWER 36 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 77:72434 CA
 TI Fungal metabolism of (+-)-epoxyfarnesol and its absolute stereochemistry
 AU Suzuki, Yoshikatsu; Marumo, Shingo
 CS Dep. Agric. Chem., Nagoya Univ., Nagoya, Japan
 SO Tetrahedron Letters (1972), (19), 1887-90
 CODEN: TELEAY; ISSN: 0040-4039
 DT Journal
 LA English

L45 ANSWER 37 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 76:1893 CA
 TI Phytopathological chemistry of sweet potato with black rot and injury. 91. Participation of farnesol in the biosynthesis of ipomeamarone
 AU Oguni, Itaro; Uritani, Ikuzo
 CS Fac. Agric., Nagoya Univ., Nagoya, Japan
 SO Plant and Cell Physiology (1971), 12(4), 507-15
 CODEN: PCPHA5; ISSN: 0032-0781
 DT Journal
 LA English

L45 ANSWER 38 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 72:87306 CA
 TI Incorporation of farnesol-2-14C into ipomeamarone
 AU Oguni, Itaro; Uritani, Ikuzo
 CS Fac. Agr., Nagoya Univ., Nagoya, Japan
 SO Agricultural and Biological Chemistry (1970), 34(1), 156-8
 CODEN: ABCHA6; ISSN: 0002-1369
 DT Journal

LA English

=> d 145 21 all

L45 ANSWER 21 OF 38 CA COPYRIGHT 2003 ACS on STN
AN 113:112327 CA
TI Antibacterial and antifungal properties of essential oil components
AU Knobloch, Karl; Pauli, Alexander; Iberl, Bernard; Weigand, Hildegunde;
Weis, Norbert
CS Inst. Bot. Pharm. Biol. Aromagarten, Univ. Erlangen-Nurnberg, Erlangen,
D-8520, Fed. Rep. Ger.
SO Journal of Essential Oil Research (1989), 1(3), 119-28
CODEN: JEOREG; ISSN: 1041-2905
DT Journal
LA English
CC 10-5 (Microbial Biochemistry)
Section cross-reference(s): 11, 62
AB The soly. in water of essential oil constituents is directly related to
their ability to penetrate the cell walls of a bacterium or **fungus**
. The antimicrobial activity of essential oils is due to their soly. in
the phospholipid bilayer of cell membranes. Terpenoids which are
characterized by their lability have been found to interfere with the
enzymic reactions of energy metab.
ST essential oil soly antimicrobial; bactericide essential oil soly;
fungicide essential oil soly
IT Oils, essential
RL: BIOL (Biological study)
(bactericidal and fungicidal activity of components of, soly. effect
on)
IT Terpenes and Terpenoids, biological studies
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); BIOL (Biological study)
(bactericidal and fungicidal activity of, soly. effect on)
IT Solubility
(of essential oil components, bactericidal and fungicidal activities in
relation to)
IT Terpenes and Terpenoids, biological studies
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); BIOL (Biological study)
(aldehydes, bactericidal and fungicidal activity of, soly. effect on)
IT Microbicidal and microbiostatic action
(bactericidal, of essential oil components, soly. effect on)
IT Terpenes and Terpenoids, compounds
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); BIOL (Biological study)
(esters, bactericidal and fungicidal activity of, soly. effect on)
IT Microbicidal and microbiostatic action
(fungicidal, of essential oil components, soly. effect on)
IT Terpenes and Terpenoids, biological studies
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); BIOL (Biological study)
(hydroxy, bactericidal and fungicidal activity of, soly. effect on)
IT Terpenes and Terpenoids, biological studies
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); BIOL (Biological study)
(oxo, bactericidal and fungicidal activity of, soly. effect on)
IT Biological transport
(permeation, of microbial cell walls, by essential components)
IT Aldehydes, biological studies
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); BIOL (Biological study)

(terpenoid, bactericidal and fungicidal activity of, soly. effect on)
 IT 76-22-2, Camphor 76-49-3, Bornyl acetate 78-70-6, Linalool 80-56-8,
 .alpha.-Pinene 87-44-5 89-78-1, Menthol 89-80-5, Menthone 89-81-6,
 Piperitone 89-82-7, Pulegone 89-83-8 93-15-2, Methyl eugenol
 97-53-0, Eugenol 99-48-9, Carveol 99-49-0, Carvone 99-85-4,
 .gamma.-Terpinene 99-87-6, p-Cymene 104-55-2, Cinnamaldehyde
 106-22-9 106-23-0 106-24-1 106-25-2, Nerol 115-95-7, Linalyl
 acetate 120-57-0, Piperonal 121-33-5 127-91-3, .beta.-Pinene
 138-86-3, Limonene 140-67-0, Methyl chavicol 470-82-6, 1,8-Cineole
 499-75-2, Carvacrol 507-70-0, Borneol 4180-23-8, trans-Anethole
 4602-84-0, Farnesol 5392-40-5, Citral 29714-87-2, Ocimene
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); BIOL (Biological study)
 (bactericidal and fungicidal activity of, soly. effect on)

=> d 145 19 all

L45 ANSWER 19 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 116:124733 CA
 TI Fungitoxic activity of some terpenoids against ringworm **fungus**,
 Microsporium gypseum
 AU Mishra, D. N.; Dixit, Vivek; Tiwari, Ramesh
 CS Dep. Bot., Univ. Gorakhpur, Gorakhpur, 273 009, India
 SO National Academy Science Letters (India) (1991), 14(4), 169-70
 CODEN: NASLDX; ISSN: 0250-541X
 DT Journal
 LA English
 CC 10-5 (Microbial, Algal, and Fungal Biochemistry)
 AB Four terpenoids, citral, eugenol, farnesol, and nerol, were tested for
 their activity against M. gypseum. The min. inhibitory concns. of citral,
 farnesol, and nerol were 500 ppm, while that of eugenol was 300 ppm. All
 the terpenoids were fungicidal at their resp. MICs, except citral, which
 possessed static activity.
 ST terpenoid inhibition ringworm fungi; Microsporium terpenoid fungitoxic
 activity
 IT Terpenes and Terpenoids, biological studies
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); BIOL (Biological study)
 (fungitoxic activity of, against ringworm **fungus**)
 IT Microsporium gypseum
 (inhibition of, by terpenoids)
 IT Fungicides and Fungistats
 (terpenoids as, for Microsporium gypseum)
 IT 97-53-0 4602-84-0 5392-40-5
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); BIOL (Biological study)
 (fungitoxic activity of, against ringworm **fungus**)

=> d 145 17 all

L45 ANSWER 17 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 120:321664 CA
 TI Antimycotic effect of cardamom essential oil components on toxigenic molds
 AU Badei, A.Z.M.
 CS Fac. Agric., Cairo Univ., Giza, Egypt
 SO Egyptian Journal of Food Science (1992), 20(3), 441-52
 CODEN: EJFSAI; ISSN: 0301-8571
 DT Journal
 LA English
 CC 17-5 (Food and Feed Chemistry)

- AB The inhibitory effect of cardamom (*Elettaria cardamomum*) essential oil and its major chem. components (1,8-cineol, .alpha.-terpinyl acetate, DL-limonene, and linalool) on the growth of 7 toxigenic mold strains (*Aspergillus flavus*, *A. parasiticus*, *A. ochraceus*, *Penicillium* species, *P. roquefortii*, *P. patulum*, and *P. citrinum*) and aflatoxins produced by *A. parasiticus* (aflatoxins B1, B2, G1, and G2) was obsd. Twenty five compds. were sepd. from the essential oil; .alpha.-terpinyl acetate had the strongest antifungal effect.
- ST cardamom essential oil fungi aflatoxin inhibition
- IT Aflatoxins
 RL: BIOL (Biological study)
 (inhibition of prodn. by toxigenic molds of, by cardamom essential oil and its chem. components)
- IT *Aspergillus ochraceus*
Aspergillus flavus
Aspergillus parasiticus
 Mold (**fungus**)
Penicillium
Penicillium citrinum
Penicillium patulum
Penicillium roquefortii
 (inhibition of, by cardamom essential oil and its chem. components)
- IT Essential oils
 RL: BIOL (Biological study)
 (cardamom, toxigenic mold growth and aflatoxin formation inhibition by, and its chem. components)
- IT 1162-65-8, Aflatoxin B1 1165-39-5, Aflatoxin G1 7220-81-7, Aflatoxin B2 7241-98-7, Aflatoxin G2
 RL: OCCU (Occurrence)
 (inhibition of prodn. by *Aspergillus parasiticus* of, by cardamom essential oil and its chem. components)
- IT 79-92-5P, Camphene 80-56-8P, .alpha.-Pinene 87-44-5P, Caryophyllene 99-83-2P, .alpha.-Phellandrene 99-84-3P, Cyclohexene, 4-Methylene-1-(1-methylethyl)- 99-85-4P, .gamma.-Terpinene 99-87-6P, p-Cymene 106-22-9P, Citronellol 106-24-1P, Geraniol 106-25-2P, Nerol 115-95-7P, Linalyl acetate 123-35-3P, Myrcene 127-91-3P, .beta.-Pinene 138-87-4P, .beta.-Terpineol 141-12-8P, Neryl acetate 142-50-7P, Nerolidol 555-10-2P, .beta.-Phellandrene 586-62-9P, Terpinolene 586-82-3P, Terpinen-1-ol 3387-41-5P, Sabinene **4602-84-0P**, Farnesol 5392-40-5P, Citral 5989-27-5P, d-Limonene 13466-78-9P, .DELTA.3-Carene
 RL: PREP (Preparation)
 (of cardamom essential oil, inhibition of growth and aflatoxins prodn. by toxigenic molds in relation to)
- IT 78-70-6P, Linalool 80-26-2P, .alpha.-Terpinyl acetate 138-86-3P, DL-Limonene 470-82-6P, 1,8-Cineol
 RL: PREP (Preparation)
 (of cardamom essential oil, inhibition of growth of and aflatoxins prodn. by *Aspergillus parasiticus* with)

=> d 145 16 all

L45 ANSWER 16 OF 38 CA COPYRIGHT 2003 ACS on STN
 AN 123:52084 CA
 TI Antifungal properties of essential oils and their main components upon *Cryptococcus neoformans*
 AU Viollon, Catherine; Chaumont, Jean-Pierre
 CS Laboratory Botany, Faculty Medicine and Pharmacy, Besancon, Fr.
 SO Mycopathologia (1994), 128(3), 151-3
 CODEN: MYCPAH; ISSN: 0301-486X
 DT Journal

LA English

CC 10-5 (Microbial, Algal, and Fungal Biochemistry)

AB Cryptococcus neoformans opportunistic **fungus** present in the last phases of AIDS is inhibited in vitro by several essential oils on natural volatile compds. The minimal inhibitory concn. may reach 100 .mu.1/L and the minimal fungicidal concn. 200 .mu.1/l with palmarosa or cinnamon oil. Among phenolic compds., thymol and carvacrol were the most fungitoxic. Terpenoids, citral, geraniol, and citronellol showed the best activities.

ST antifungal essential oil Cryptococcus; phenol essential oil antifungal Cryptococcus; terpenoid essential oil antifungal Cryptococcus

IT Cryptococcus neoformans
Fungicides and Fungistats
(antifungal properties of essential oils and their main components on Cryptococcus neoformans)

IT Phenols, biological studies
Terpenes and Terpenoids, biological studies
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(antifungal properties of essential oils and their main components on Cryptococcus neoformans)

IT Essential oils
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(cajeput, leaf; antifungal properties of essential oils and their main components on Cryptococcus neoformans)

IT Essential oils
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(tea, leaf; antifungal properties of essential oils and their main components on Cryptococcus neoformans)

IT Essential oils
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(cinnamon, bark; antifungal properties of essential oils and their main components on Cryptococcus neoformans)

IT Essential oils
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(clove, bud; antifungal properties of essential oils and their main components on Cryptococcus neoformans)

IT Essential oils
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(cumin, fruit; antifungal properties of essential oils and their main components on Cryptococcus neoformans)

IT Essential oils
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(geranium, leaf; antifungal properties of essential oils and their main components on Cryptococcus neoformans)

IT Essential oils
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(lavender, flower; antifungal properties of essential oils and their

main components on *Cryptococcus neoformans*)

IT Essential oils
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (marjoram, flower; antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)

IT Essential oils
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (mint, *Mentha*, leaf; antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)

IT Essential oils
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (origanum, flower; antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)

IT Essential oils
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (palmarosa, antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)

IT Essential oils
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (sage, *Salvia officinalis*, leaf; antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)

IT Essential oils
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (sandalwood, antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)

IT Essential oils
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (sassafras, root; antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)

IT Essential oils
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (savory, antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)

IT Essential oils
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (thyme, *Thymus vulgaris*, antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)

IT Essential oils
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (vetiver, antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)

IT 78-70-6 79-77-6, .beta.-Ionone 89-80-5, Menthone 89-83-8, Thymol

97-53-0, Eugenol 99-49-0, Carvone 106-22-9, Citronellol 106-24-1,
Geraniol 106-25-2, Nerol 488-10-8, cis-Jasmone 499-75-2, Carvacrol
4602-84-0, Farnesol 5392-40-5, Citral 11031-45-1, Santalol
68129-81-7, Vetiverol

RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
(Uses)

(antifungal properties of essential oils and their main components on
Cryptococcus neoformans)

=> d 145 9 all

L45 ANSWER 9 OF 38 CA COPYRIGHT 2003 ACS on STN

AN 130:114824 CA

TI Antimicrobial and antioxidant properties of some commercial essential oils

AU Baratta, M. Tiziana; Dorman, H. J. Damien; Deans, Stanley G.; Figueiredo,
A. Cristina; Barroso, Jose G.; Ruberto, Giuseppe

CS Department of Biochemical Sciences, Scottish Agricultural College,
Auchincruive, Ayr, KA6 5HW, UK

SO Flavour and Fragrance Journal (1998), 13(4), 235-244

CODEN: FFJOED; ISSN: 0882-5734

PB John Wiley & Sons Ltd.

DT Journal

LA English

CC 63-4 (Pharmaceuticals)

Section cross-reference(s): 10, 62

AB The essential oil compn. of *Cananga odorata*, *Boswellia thurifera*,
Cymbopogon citratus, *Marjorana hortensis*, *Ocimum basilicum*, *Rosmarinus*
officinalis, *Cinnamomum zeylanicum* and *Citrus limon* was analyzed by GC and
GC-MS, and their antimicrobial and antioxidant activity tested.

Twenty-five different genera of bacteria and one fungal species were used
in this study as test organisms. These included animal and plant
pathogens, food poisoning and spoilage bacteria and the spoilage
fungus *Aspergillus niger*. The volatile oils exhibited
considerable inhibitory effect against all the tested organisms. The oils
also demonstrated antioxidant capacities, comparable with
.alpha.-tocopherol and butylated hydroxytoluene (BHT). The method adopted
in this study was the modified thiobarbituric acid reactive species
(TBARS) assay. The antioxidant activity was carried out under different
conditions by using egg yolk and rat liver in the absence and presence of
the radical inducer 2,2'-azobis(2-amidinopropane) dihydrochloride (ABAP).
essential oil antimicrobial antioxidant

ST

IT Essential oils

RL: BAC (Biological activity or effector, except adverse); BOC (Biological
occurrence); BSU (Biological study, unclassified); THU (Therapeutic use);
BIOL (Biological study); OCCU (Occurrence); USES (Uses)

(*Boswellia thurifera*; antimicrobial and antioxidant properties of com.
essential oils)

IT Essential oils

RL: BAC (Biological activity or effector, except adverse); BOC (Biological
occurrence); BSU (Biological study, unclassified); THU (Therapeutic use);
BIOL (Biological study); OCCU (Occurrence); USES (Uses)

(*Cananga odorata*; antimicrobial and antioxidant properties of com.
essential oils)

IT Essential oils

RL: BAC (Biological activity or effector, except adverse); BOC (Biological
occurrence); BSU (Biological study, unclassified); THU (Therapeutic use);
BIOL (Biological study); OCCU (Occurrence); USES (Uses)

(West Indian lemongrass; antimicrobial and antioxidant properties of
com. essential oils)

IT Antimicrobial agents

Antioxidants

(antimicrobial and antioxidant properties of com. essential oils)

IT Terpenes, biological studies

RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)

(antimicrobial and antioxidant properties of com. essential oils)

IT Essential oils

RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)

(basil, *Ocimum basilicum*, *Ocimum basilicum*; antimicrobial and antioxidant properties of com. essential oils)

IT Essential oils

RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)

(cinnamon; antimicrobial and antioxidant properties of com. essential oils)

IT Essential oils

RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)

(lemon; antimicrobial and antioxidant properties of com. essential oils)

IT Essential oils

RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)

(rosemary; antimicrobial and antioxidant properties of com. essential oils)

IT Essential oils

RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)

(sweet marjoram; antimicrobial and antioxidant properties of com. essential oils)

IT 76-22-2, Camphor 76-49-3, Bornyl acetate 78-70-6, Linalool 79-92-5, Camphene 80-26-2 80-56-8, .alpha.-Pinene 87-44-5, .beta.-Caryophyllene 89-48-5, Menthyl acetate 89-78-1, Menthol 89-80-5, Menthone 93-15-2, Methyleugenol 93-28-7, Eugenyl acetate 93-58-3, Methyl benzoate 97-53-0, Eugenol 98-55-5, .alpha.-Terpineol 99-49-0, Carvone 99-83-2, .alpha.-Phellandrene 99-85-4, .gamma.-Terpinene 99-86-5, .alpha.-Terpinene 99-87-6, p-Cymene 104-53-0, Dihydrocinnamaldehyde 104-54-1, Cinnamyl alcohol 105-87-3, Geranyl acetate 106-23-0, Citronellal 106-24-1, Geraniol 106-25-2, Nerol 106-29-6, Geranyl butyrate 110-93-0, 6-Methylhept-5-en-2-one 115-95-7, Linalyl acetate 120-51-4, Benzyl benzoate 122-03-2, Cumin aldehyde 123-35-3, Myrcene 124-18-5, Decane 127-91-3, .beta.-Pinene 138-86-3, Limonene 140-11-4, Benzyl acetate 140-67-0, Estragole 141-27-5, Geranial 150-84-5, Citronellyl acetate 470-82-6, 1,8-Cineole 471-15-8, .beta.-Thujone 473-13-2, .alpha.-Selinene 481-34-5, .alpha.-Cadinol 483-76-1, .delta.-Cadinene 489-40-7, .alpha.-Gurjunene 491-07-6, Isomenthone 495-61-4, .beta.-Bisabolene 502-61-4, .alpha.-trans,trans-Farnesene 507-70-0, Borneol 508-32-7, Tricyclene 546-80-5, .alpha.-Thujone 547-60-4, trans-3-Pinanone 555-10-2, .beta.-Phellandrene 562-74-3, Terpinen-4-ol 586-62-9, Terpinolene 659-70-1, Isoamyl isovalerate 673-84-7, allo-Ocimene 1139-30-6, Caryophyllene epoxide 1195-79-5, Fenchone 1674-08-4, trans-Pinocarveol 1820-09-3, trans-Verbenol 1845-30-3, cis-Verbenol 2867-05-2, .alpha.-Thujene 3338-55-4, cis-.beta.-Ocimene 3387-41-5, Sabinene 3779-61-1, trans-.beta.-Ocimene 3856-25-5, .alpha.-Copaene

3879-60-5, trans,cis-Farnesol 4180-23-8, trans-Anethole
 5208-59-3, .beta.-Bourbonene 5937-11-1 6750-60-3, Spathulenol
 6753-98-6, .alpha.-Humulene 7299-42-5, .delta.-Terpineol 10208-80-7,
 .alpha.-Muurolene 13466-78-9, .DELTA.3-Carene 13474-59-4,
 trans-.alpha.-Bergamotene 13744-15-5, .beta.-Cubebene 14371-10-9,
 trans-Cinnamaldehyde 14575-74-7, .alpha.-Fenchol 14912-44-8,
 .alpha.-Ylangene 15537-55-0, cis-Sabinene hydrate 17066-67-0,
 .beta.-Selinene 17699-14-8, .alpha.-Cubebene 17699-16-0,
 trans-Sabinene hydrate 18309-32-5, Verbenone 18479-51-1,
 Dihydrolinalool 18794-84-8, trans-.beta.-Farnesene 19435-97-3,
 .delta.-Cadinol 19912-62-0 21040-45-9, trans-Cinnamyl acetate
 21284-22-0, Cubenol 23986-74-5, Germacrene D 24406-05-1,
 .alpha.-Cadinene 24703-35-3, Bicyclogermacrene 25246-27-9,
 allo-Aromadendrene 26897-24-5, Benzene, methoxy(methyl)- 27576-03-0,
 Dimethylstyrene 28973-97-9, cis-.beta.-Farnesene 28976-67-2,
 .beta.-Curcumene 29803-82-5, trans-p-Menth-2-en-1-ol 30021-74-0,
 .gamma.-Muurolene 33880-83-0, .beta.-Elemene 39029-41-9,
 .gamma.-Cadinene 40716-66-3, trans-Nerolidol 57194-69-1,
 cis-Cinnamaldehyde

RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)

(antimicrobial and antioxidant properties of com. essential oils)

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
 RE

- (1) Balandrin, M; Science 1985, V228, P1154 CA
- (2) Carlton, R; Chemoecology 1992, V3, P55 CA
- (3) Conner, D; Antimicrobials in Food 1993
- (4) Cutler, R; Free Radicals in Biology 1984, P371 CA
- (5) Davis, N; Appl Microbiol 1966, V14, P378 CA
- (6) Deans, S; Flavour Fragr J 1994, V9, P245 CA
- (7) Deans, S; Int J Food Microbiol 1987, V5, P165
- (8) Deans, S; Volatile Oil Crops: Their Biology, Biochemistry and Production 1993, P113 CA
- (9) Dorman, H; J Essent Oil Res 1995, V7, P645 CA
- (10) Esterbauer, H; J Lipid Res 1987, V28, P495 CA
- (11) Harman, D; Free Radical in Biology 1982, V5, P255 CA
- (12) Harmann, D; J Gerontol 1957, V12, P199
- (13) McDowell, P; Phytochemistry 1988, V27, P2519 CA
- (14) Mehlhorn, J; Adv Free Radical Biol Med 1985, V1, P165
- (15) Pryor, W; Antimutagenesis and Anticarcinogenesis 1986, P45 CA
- (16) Pryor, W; Free Radicals in Molecular Biology Aging and Disease 1984, P13
- (17) Pryor, W; J Am Chem Soc 1988, V110, P2224 CA
- (18) Pryor, W; Modern Biological Theories of Aging 1987, P89
- (19) Steinbrecher, U; Proc Natl Acad Sci USA 1984, V81, P3883 CA
- (20) Wattenberg, L; Adv Cancer Res 1978, V26, P339

=> s 138 and 133

L46 43 L38 AND L33

=> d 146 30-43

L46 ANSWER 30 OF 43 CA COPYRIGHT 2003 ACS on STN

AN 103:98368 CA

TI Assessment of in vivo activity of bifonazole against dermatophytic infection in guinea pigs on the basis of the amount of a specific fungal cell wall component chitin in the infected skin

AU Uchida, K.; Yamaguchi, H.

CS Sch. Med., Teikyo Univ., Tokyo, 192-03, Japan

SO Dermatologica, Supplementum (1984), 169(1, Int. Symp. Bifonazole), 47-9
 CODEN: DMTSBV; ISSN: 0366-9394

DT Journal
LA English

L46 ANSWER 31 OF 43 CA COPYRIGHT 2003 ACS on STN
AN 101:147632 CA
TI Candida krusei (Cast.) Berkhout from the draining sinuses in a human patient. Its drug sensitivity and pathogenicity
AU Jacob, Z.; Ghosh, M.; Srivastava, O. P.
CS Med. Mycol. Div., Cent. Drug Res. Inst., Lucknow, India
SO Mykosen (1984), 27(7), 361-5
CODEN: MYKSAW; ISSN: 0027-5557
DT Journal
LA English

L46 ANSWER 32 OF 43 CA COPYRIGHT 2003 ACS on STN
AN 101:116738 CA
TI Imidazole antimycotic gels for treating oral nfections
IN Von Bittera, Miklos; Buechel, Karl Heinz; Plempel, Manfred; Regel, Erik
PA Bayer A.-G. , Fed. Rep. Ger.
SO Ger. Offen., 11 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3243546	A1	19840530	DE 1982-3243546	19821125
	NO 8304160	A	19840528	NO 1983-4160	19831114
	EP 112485	A2	19840704	EP 1983-111479	19831117
	EP 112485	A3	19851023		
	EP 112485	B1	19880427		
	R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE				
	AT 33759	E	19880515	AT 1983-111479	19831117
	JP 59108712	A2	19840623	JP 1983-218838	19831122
	IL 70290	A1	19880131	IL 1983-70290	19831122
	CA 1209920	A1	19860819	CA 1983-441740	19831123
	DK 8305386	A	19840526	DK 1983-5386	19831124
	ZA 8308774	A	19840725	ZA 1983-8774	19831124
	ES 527514	A1	19850101	ES 1983-527514	19831124
PRAI	DE 1982-3243546		19821125		
	EP 1983-111479		19831117		

L46 ANSWER 33 OF 43 CA COPYRIGHT 2003 ACS on STN
AN 101:20459 CA
TI Sensitivity of yeasts and filamentous fungi towards antifungals. Comparative in vitro studies
AU Guglielminetti, M.; Crema, F.
CS Ist. Micol. Med. "R. Ciferri and P. Redaelli", Univ. Pavia, Italy
SO Farmaco, Edizione Pratica (1984), 39(5), 139-47
CODEN: FRPPAO; ISSN: 0430-0912
DT Journal
LA Italian

L46 ANSWER 34 OF 43 CA COPYRIGHT 2003 ACS on STN
AN 100:99438 CA
TI Relative inhibition factors - a novel approach to the assessment of antifungal antibiotics in vitro
AU Odds, F. C.; Abbott, A. B.
CS Dep. Microbiol., Univ. Leicester, Leicester, LE1 7RH, UK
SO Journal of Antimicrobial Chemotherapy (1984), 13(1), 31-43
CODEN: JACHDX; ISSN: 0305-7453
DT Journal

LA English

L46 ANSWER 35 OF 43 CA COPYRIGHT 2003 ACS on STN

AN 97:188303 CA

TI High-release antimycotic agent in pencil form.

IN Von Bittera, Miklos; Buechel, Karl Heinz; Plempel, Manfred; Regel, Erik

PA Bayer A.-G., Fed. Rep. Ger.

SO Ger. Offen., 17 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3106635	A1	19820909	DE 1981-3106635	19810223
	NO 8200319	A	19820824	NO 1982-319	19820203
	US 4457938	A	19840703	US 1982-346479	19820205
	AU 8280326	A1	19820902	AU 1982-80326	19820210
	EP 58887	A1	19820901	EP 1982-101001	19820211
	EP 58887	B1	19840411		
	R: AT, BE, CH, DE, FR, GB, IT, NL, SE				
	AT 6988	E	19840415	AT 1982-101001	19820211
	FI 8200563	A	19820824	FI 1982-563	19820219
	IL 65057	A1	19850630	IL 1982-65057	19820219
	DK 8200765	A	19820824	DK 1982-765	19820222
	JP 57156413	A2	19820927	JP 1982-26173	19820222
	ZA 8201137	A	19830126	ZA 1982-1137	19820222
	ES 509798	A1	19830201	ES 1982-509798	19820222
	CA 1169770	A1	19840626	CA 1982-396788	19820222
PRAI	DE 1981-3106635		19810223		
	EP 1982-101001		19820211		

L46 ANSWER 36 OF 43 CA COPYRIGHT 2003 ACS on STN

AN 91:33009 CA

TI On the mode of action of antimycotics, especially of clotrimazole (Canesten), on the ultrastructural level of human pathogenic fungi

AU Voigt, Wolfgang Heinrich

CS Inst. Immunol. Oncol., Bayer A.-G., Wuppertal, Fed. Rep. Ger.

SO Scandinavian Journal of Infectious Diseases, Supplementum (1978), 16, 51-8

CODEN: SJISAH; ISSN: 0300-8878

DT Journal

LA English

L46 ANSWER 37 OF 43 CA COPYRIGHT 2003 ACS on STN

AN 86:150596 CA

TI Clotrimazole (Canesten) therapy of fungal keratitis

AU Jones, Dan B.; Jones, Barrie R.; Robinson, Nettie M.

CS Baylor Coll. Med., Houston, TX, USA

SO Chemother., Proc. Int. Congr. Chemother., 9th (1976), Meeting Date 1975, Volume 6, 189-97. Editor(s): Williams, John David; Geddes, Alexander M. Publisher: Plenum, New York, N. Y.

CODEN: 35DFA6

DT Conference

LA English

L46 ANSWER 38 OF 43 CA COPYRIGHT 2003 ACS on STN

AN 86:133520 CA

TI The effect of clotrimazol (Canesten) on the ultrastructure of molds (Aspergillus fumigatus) in infected animals

AU Voigt, W. H.

CS Inst. Immunol. Onkol., BAYER A.-G., Wuppertal-Elberfeld, Fed. Rep. Ger.

SO Mykosen (1976), 19(10), 345-53

CODEN: MYKSAW; ISSN: 0027-5557

DT Journal
LA German

L46 ANSWER 39 OF 43 CA COPYRIGHT 2003 ACS on STN
AN 84:145369 CA
TI Sensitivity of Scopulariopsis brevicaulis to some antimicrobial agents
AU Sekhon, Awatar S.
CS Prov. Lab. Public Health, Univ. Alberta, Edmonton, AB, Can.
SO Mycopathologia (1975), 57(3), 177-9
CODEN: MYCPAH; ISSN: 0301-486X
DT Journal
LA English

L46 ANSWER 40 OF 43 CA COPYRIGHT 2003 ACS on STN
AN 81:145848 CA
TI Antimycotic properties of clotrimazole
AU Plempel, M.; Bartmann, K.; Buechel, K. H.; Regel, E.
CS Bayer Res. Lab., Wuppertal-Elberfeld, Fed. Rep. Ger.
SO Postgraduate Medical Journal, Supplement (1974), 50(1), 11-12
CODEN: PMESAJ; ISSN: 0370-0593
DT Journal
LA English

L46 ANSWER 41 OF 43 CA COPYRIGHT 2003 ACS on STN
AN 81:72725 CA
TI Electron microscopic studies of human pathogenic fungi. II.
Ultrastructural changes in Candida albicans cells in human vaginal
epithelium during clotrimazole therapy
AU Voigt, W. H.; Schnell, J. D.
CS Inst. Immunol. Onkol., Bayer A.-G., Wuppertal, Fed. Rep. Ger.
SO Arzneimittel-Forschung (1974), 24(4), 516-21
CODEN: ARZNAD; ISSN: 0004-4172
DT Journal
LA German

L46 ANSWER 42 OF 43 CA COPYRIGHT 2003 ACS on STN
AN 76:81677 CA
TI In vitro susceptibility of the most important yeasts to BAY to 5097
[bisphenyl(2-chlorophenyl)-1-imidazolylmethane
AU Wehrspann, P.
CS Medizinaluntersuchungsanst., Hyg. Inst. Freien Hansestadt Hamburg,
Hamburg, Fed. Rep. Ger.
SO Mykosen (1971), 14(11), 525-9
CODEN: MYKSAW; ISSN: 0027-5557
DT Journal
LA German

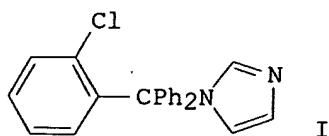
L46 ANSWER 43 OF 43 CA COPYRIGHT 2003 ACS on STN
AN 75:86955 CA
TI In vivo studies with Bay b 5097
AU Shadomy, Smith
CS Med. Coll. Virginia, Virginia Commonw. Univ., Richmond, VA, USA
SO Antimicrobial Agents and Chemotherapy (1961-70) (1971), Volume Date 1970
169-74
CODEN: AACHAX; ISSN: 0074-9923
DT Journal
LA English

=> d 146 40 all

L46 ANSWER 40 OF 43 CA COPYRIGHT 2003 ACS on STN
 AN 81:145848 CA
 TI Antimycotic properties of clotrimazole
 AU Plempel, M.; Bartmann, K.; Buechel, K. H.; Regel, E.
 CS Bayer Res. Lab., Wuppertal-Elberfeld, Fed. Rep. Ger.
 SO Postgraduate Medical Journal, Supplement (1974), 50(1), 11-12
 CODEN: PMESAJ; ISSN: 0370-0593
 DT Journal
 LA English
 CC 1-5 (Pharmacodynamics)
 Section cross-reference(s): 3
 AB Clotrimazole [23593-75-1] was fungistatic to a broad spectrum of pathogenic fungi in vitro, and fungicidal effects were obsd. at concns. in excess of 10-20 .mu.g/ml. In animal models, locally and orally administered clotrimazole was effective against dermatomycoses, candidiasis and sporotrichosis. The min. inhibiting concns. of clotrimazole in vitro depended on the size of the inoculum, and increased with increasing incubation time. For dermatophytes, molds, and budding fungi, secondary development of resistance to clotrimazole was either very slow or did not occur at all.
 ST clotrimazole antimycotic; **fungus** infection clotrimazole
 IT Fungi
 (clotrimazole sensitivity of)
 IT Mycosis
 (dermato-, clotrimazole treatment of)
 IT Candida
 Sporotrichum
 (infection with, clotrimazole treatment of)
 IT 23593-75-1
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
 (antifungal activity of)

=> d 146 37 all

L46 ANSWER 37 OF 43 CA COPYRIGHT 2003 ACS on STN
 AN 86:150596 CA
 TI Clotrimazole (Canesten) therapy of fungal keratitis
 AU Jones, Dan B.; Jones, Barrie R.; Robinson, Nettie M.
 CS Baylor Coll. Med., Houston, TX, USA
 SO Chemother., Proc. Int. Congr. Chemother., 9th (1976), Meeting Date 1975, Volume 6, 189-97. Editor(s): Williams, John David; Geddes, Alexander M.
 Publisher: Plenum, New York, N. Y.
 CODEN: 35DFA6
 DT Conference
 LA English
 CC 1-5 (Pharmacodynamics)
 GI



AB Clotrimazole (I) [23593-75-1] was shown to be an effective agent for the treatment of fungal keratitis. It should be the drug of choice in Aspergillus keratitis and may be the initial form of therapy prior to

definitive mycolog. detns. provided there is no likelihood of Fusarium infection. With Candida infections, combined therapy with a polyene antibiotic may be useful.

ST clotrimazole **fungus** keratitis; eye infection **fungus**
clotrimazole
IT Fusarium
(keratitis from, clotrimazole treatment in relation to)
IT Aspergillus
Candida
(keratitis from, clotrimazole treatment of)
IT Eye, disease or disorder
(keratitis, from **fungus**, clotrimazole treatment of)
IT 23593-75-1
RL: BIOL (Biological study)
(fungal keratitis treatment with)

=> s 137 and 133

L47 76 L37 AND L33

=> s 147 and 146

L48 21 L47 AND L46

=> d 121 10-21

L21 ANSWER 10 OF 19649 CA COPYRIGHT 2003 ACS on STN
AN 139:78918 CA
TI Comparison of treatment with fluvastatin extended-release 80-mg tablets and immediate-release 40-mg capsules in patients with primary hypercholesterolemia
AU Isaacsohn, Jonathan L.; LaSalle, James; Chao, George; Gonasun, Leonard
CS Metabolic and Atherosclerosis Research Center, Cincinnati, OH, USA
SO Clinical Therapeutics (2003), 25(3), 904-918
CODEN: CLTHDG; ISSN: 0149-2918
PB Excerpta Medica, Inc.
DT Journal
LA English
RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 11 OF 19649 CA COPYRIGHT 2003 ACS on STN
AN 139:78890 CA
TI Anti-diabetic activity of green tea polyphenols and their role in reducing oxidative stress in experimental diabetes
AU Sabu, M. C.; Smitha, K.; Ramadasan, Kuttan
CS Amala Nagar, Amala Cancer Research Centre, Trichur, 680 553, India
SO Journal of Ethnopharmacology (2002), 83(1-2), 109-116
CODEN: JOETD7; ISSN: 0378-8741
PB Elsevier Science Ireland Ltd.
DT Journal
LA English
RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 12 OF 19649 CA COPYRIGHT 2003 ACS on STN
AN 139:68487 CA
TI Food restriction attenuates blood lipid peroxidation in carbon tetrachloride-intoxicated rats
AU Ramkumar, K. M.; Rajesh, R.; Anuradha, C. V.
CS Faculty of Science, Department of Biochemistry, Annamalai University, Tamil Nadu, India
SO Nutrition (New York, NY, United States) (2003), 19(4), 358-362

CODEN: NUTRER; ISSN: 0899-9007

PB Elsevier Science Inc.

DT Journal

LA English

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 13 OF 19649 CA COPYRIGHT 2003 ACS on STN

AN 139:67571 CA

TI Interferon and ribavirin therapy for chronic hepatitis C virus genotype 6:
a comparison with genotype 1

AU Hui, Chee-Kin; Yuen, Man-Fung; Sablon, Erwin; Chan, Annie On-On; Wong,
Benjamin Chun-Yu; Lai, Ching-Lung

CS Department of Medicine, Queen Mary Hospital, The University of Hong Kong,
Hong Kong, Peop. Rep. China

SO Journal of Infectious Diseases (2003), 187(7), 1071-1074

CODEN: JIDIAQ; ISSN: 0022-1899

PB University of Chicago Press

DT Journal

LA English

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 14 OF 19649 CA COPYRIGHT 2003 ACS on STN

AN 139:67157 CA

TI Prevalence of **transaminase** abnormalities in asymptomatic,
healthy subjects participating in an executive health-screening program

AU Patt, Cary H.; Yoo, Hwan Y.; Dibadj, Kourosh; Flynn, John; Thuluvath, Paul
J.

CS Department of Medicine, Johns Hopkins University School of Medicine,
Baltimore, MD, USA

SO Digestive Diseases and Sciences (2003), 48(4), 797-801

CODEN: DDSCDJ; ISSN: 0163-2116

PB Kluwer Academic/Plenum Publishers

DT Journal

LA English

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 15 OF 19649 CA COPYRIGHT 2003 ACS on STN

AN 139:66743 CA

TI D-galactosamine induced hepatocyte apoptosis is inhibited in vivo and in
cell culture by a calcium calmodulin antagonist, chlorpromazine, and a
calcium channel blocker, verapamil

AU Tsutsui, Shigeki; Itagaki, Shin-ichi; Kawamura, Seiji; Harada, Ken-ichi;
Karaki, Hideaki; Doi, Kunio; Yoshikawa, Yasuhiro

CS Department of Biomedical Science, Graduate School of Agricultural and Life
Sciences, The University of Tokyo, Tokyo, 113-8657, Japan

SO Experimental Animals (2003), 52(1), 43-52

CODEN: JIDOAA; ISSN: 1341-1357

PB Japanese Association for Laboratory Animal Science

DT Journal

LA English

RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 16 OF 19649 CA COPYRIGHT 2003 ACS on STN

AN 139:65376 CA

TI Biochip which examines hepatic function by employing colorimetric method

AU Oki, Akio; Ogawa, Hiroki; Takamura, Yuzuru; Horiike, Yasuhiro

CS Department of Materials Engineering, The University of Tokyo, Tokyo,
113-8656, Japan

SO Japanese Journal of Applied Physics, Part 2: Letters (2003), 42(3B),
L342-L345
CODEN: JAPLD8

PB Japan Society of Applied Physics

DT Journal

LA English

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 17 OF 19649 CA COPYRIGHT 2003 ACS on STN

AN 139:64579 CA

TI Comparative effect of benzanthrone and 3-bromobenzanthrone on hepatic
xenobiotic metabolism and anti-oxidative defense system in guinea pigs

AU Singh, Ravindra P.; Khanna, Raj; Kaw, Jawahar L.; Khanna, Subhash K.; Das,
Mukul

CS Department of Biochemistry, Lucknow University, Lucknow, India

SO Archives of Toxicology (2003), 77(2), 94-99

CODEN: ARTODN; ISSN: 0340-5761

PB Springer-Verlag

DT Journal

LA English

RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 18 OF 19649 CA COPYRIGHT 2003 ACS on STN

AN 139:64555 CA

TI GABAergic mechanisms of heroin-induced brain activation assessed with
functional MRI

AU Xi, Zheng-Xiong; Wu, Gaohong; Stein, Elliot A.; Li, Shi-Jiang

CS Biophysics Research Institute, Medical College of Wisconsin, Milwaukee,
WI, 53226, USA

SO Magnetic Resonance in Medicine (2002), 48(5), 838-843

CODEN: MRMEEN; ISSN: 0740-3194

PB Wiley-Liss, Inc.

DT Journal

LA English

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 19 OF 19649 CA COPYRIGHT 2003 ACS on STN

AN 139:63251 CA

TI Comparison of hepatoprotective effects between ethanol and water extracts
of Yinchenhao Tang decoction in mice

AU Wang, Liqiang; Wang, Xijun

CS The 211th Hospital of PLA, Harbin, 150080, Peop. Rep. China

SO Zhongguo Yiyuan Yaoxue Zazhi (2002), 22(5), 263-264

CODEN: ZYYAEP; ISSN: 1001-5213

PB Zhongguo Yiyuan Yaoxue Zazhi Bianjibu

DT Journal

LA Chinese

L21 ANSWER 20 OF 19649 CA COPYRIGHT 2003 ACS on STN

AN 139:63212 CA

TI Preservation of neurological functions by nitric oxide synthase inhibitors
following hemorrhagic shock

AU Ng, Kian Chye; Moolchala, Shabbir M.; Md, Shirhan; Yap, Ee Lin; Low, Siew
Yang; Lu, Jia

CS Defense Science & Technology Agency, Defense Medical Research Institute,
Singapore, 117579, Singapore

SO Neuropharmacology (2003), 44(2), 244-252

CODEN: NEPHBW; ISSN: 0028-3908

PB Elsevier Science Ltd.

DT Journal
LA English

RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 21 OF 19649 CA COPYRIGHT 2003 ACS on STN
AN 139:63011 CA
TI Hemostatic effects of atorvastatin versus simvastatin
AU Kadikoylu, Gurhan; Yukselen, Vahit; Yavasoglu, Irfan; Bolaman, Zahit
CS Department of Internal Medicine, Division of Haematology-Oncology, Medical
School, Adnan Menderes University, Aydin, Turk.
SO Annals of Pharmacotherapy (2003), 37(4), 478-484
CODEN: APHRER; ISSN: 1060-0280
PB Harvey Whitney Books Co.

DT Journal
LA English

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 15:31:51 ON 04 AUG 2003)

FILE 'REGISTRY' ENTERED AT 15:32:03 ON 04 AUG 2003

L1 75 S FARNESOL
L2 1 S HEXANOYL SPHINGOSINE
L3 0 S OLEOYL BETAINE
L4 55 S URSOLIC ACID
L5 165 S IONONE
L6 0 S UTRECT-2
L7 1 S UTRECHT 2
L8 5 S BIFONAZOLE
L9 6 S CLOTRIMAZOLE
L10 5 S KETOCONAZOLE
L11 15 S MICONAZOLE
L12 0 S DAIZEDEIN
L13 51 S DAIDZEIN
L14 75 S GENISTEIN
L15 0 S PHYTOESTRAGEN
E PHYTOESTROGEN
L16 3 S E3

FILE 'CA' ENTERED AT 15:42:33 ON 04 AUG 2003

L17 10486 S RETINOL
L18 0 S GLUTAMASE TRANSAMINASE
L19 189 S GLUTAMATE TRANSAMINASE
L20 0 S L19 AND L17
L21 19649 S TRANSAMINASE
L22 24 S L21 AND L17
E DERMAL
L23 11755 S E3-E11
L24 3285 S L1
E PHYTOESTROGEN
L25 1454 S E3-E8
L26 1 S L25 AND L23
E SKIN
L27 184746 S E3
L28 22 S L27 AND L25
L29 0 S RESVESEROL
L30 1408 S RESVERATROL
L31 4 S L30 AND L23

L32 0 S L24 AND L30
 E FUNGUS
 L33 40001 S E3
 L34 21 S L33 AND L30
 L35 2462 S L13
 L36 3825 S L14
 L37 2384 S L10
 L38 1454 S L9
 L39 2 S L38 AND L35
 L40 47 S L35 AND L33
 L41 11 S L17 AND L33
 L42 28516 S VITAMIN A
 L43 26 S L42 AND L33
 L44 24 S L43 NOT L41
 L45 38 S L24 AND L33
 L46 43 S L38 AND L33
 L47 76 S L37 AND L33
 L48 21 S L47 AND L46

=> d 148 10-21

L48 ANSWER 10 OF 21 CA COPYRIGHT 2003 ACS on STN
 AN 130:264340 CA
 TI Acetate-mediated growth inhibition in sterol 14.alpha.-demethylation-
 deficient cells of *Candida albicans*
 AU Shimokawa, Osamu; Nakayama, Hiroaki
 CS Department of Microbiology, Faculty of Dentistry, Kyushu University,
 Fukuoka, 812-8582, Japan
 SO Antimicrobial Agents and Chemotherapy (1999), 43(1), 100-105
 CODEN: AMACQ; ISSN: 0066-4804
 PB American Society for Microbiology
 DT Journal
 LA English
 RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 11 OF 21 CA COPYRIGHT 2003 ACS on STN
 AN 130:77803 CA
 TI Biochemical properties of the products of cytochrome P450 genes (PDA)
 encoding pisatin demethylase activity in *Nectria haematococca*
 AU George, Helga L.; Hirschi, Kendal D.; VanEtten, Hans D.
 CS Department of Plant Pathology, University of Arizona, Tucson, AZ, 85721,
 USA
 SO Archives of Microbiology (1998), 170(3), 147-154
 CODEN: AMICW; ISSN: 0302-8933
 PB Springer-Verlag
 DT Journal
 LA English
 RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 12 OF 21 CA COPYRIGHT 2003 ACS on STN
 AN 128:213381 CA
 TI Compositions and methods for treating infections using analogs of
 indolicidin
 IN Fraser, Janet R.; West, Michael H. P.; Krieger, Timothy J.; Taylor,
 Robert; Erfle, Douglas
 PA Micrologix Biotech, Inc., Can.; Fraser, Janet R.; West, Michael H. P.;
 Krieger, Timothy J.; Taylor, Robert; Erfle, Douglas
 SO PCT Int. Appl., 130 pp.
 CODEN: PIXXD2
 DT Patent

LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9807745	A2	19980226	WO 1997-US14779	19970821
	WO 9807745	A3	19980709		
	W:	AL, AM, AT, AU, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	AU 9743279	A1	19980306	AU 1997-43279	19970821
	EP 925308	A2	19990630	EP 1997-941352	19970821
	EP 925308	B1	20020605		
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
	JP 2001500477	T2	20010116	JP 1998-510994	19970821
	EP 1174439	A2	20020123	EP 2001-119148	19970821
	EP 1174439	A3	20030326		
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
	AT 218579	E	20020615	AT 1997-941352	19970821
	ES 2178000	T3	20021216	ES 1997-941352	19970821
PRAI	US 1996-24754P	P	19960821		
	US 1997-34949P	P	19970113		
	EP 1997-941352	A3	19970821		
	WO 1997-US14779	W	19970821		
OS	MARPAT 128:213381				

L48 ANSWER 13 OF 21 CA COPYRIGHT 2003 ACS on STN
AN 126:101660 CA
TI In vitro susceptibility Malassezia furfur of against azole compounds
AU Schmidt, A.; Ruehl-Hoerster, B.
CS Bayer AG, Wuppertal, D-42096, Germany
SO Mycoses (1996), 39(7/8), 309-312
CODEN: MYCSEU; ISSN: 0933-7407
PB Blackwell
DT Journal
LA English

L48 ANSWER 14 OF 21 CA COPYRIGHT 2003 ACS on STN
AN 125:309072 CA
TI Topical antimycotic compositions for the treatment of onychomycosis
IN Giacalone, Joseph S.
PA Bioplex, L.C., USA
SO PCT Int. Appl., 12 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9630011	A1	19961003	WO 1996-US4390	19960329
	RW:	AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE			
PRAI	US 1995-413636		19950330		

L48 ANSWER 15 OF 21 CA COPYRIGHT 2003 ACS on STN
AN 110:358 CA
TI Effects of azole antifungals in vitro on host/parasite interactions

relevant to candida infections

AU Odds, F. C.; Webster, C. E.
CS Dep. Microbiol., Univ. Leicester, Leicester, LE1 9HN, UK
SO Journal of Antimicrobial Chemotherapy (1988), 22(4), 473-81
CODEN: JACHDX; ISSN: 0305-7453
DT Journal
LA English

L48 ANSWER 16 OF 21 CA COPYRIGHT 2003 ACS on STN
AN 109:226454 CA
TI Binding of plasma proteins to Candida species in vitro
AU Page, S.; Odds, F. C.
CS Dep. Microbiol., Univ. Leicester, Leicester, LE1 7RH, UK
SO Journal of General Microbiology (1988), 134(10), 2693-702
CODEN: JGMIAN; ISSN: 0022-1287
DT Journal
LA English

L48 ANSWER 17 OF 21 CA COPYRIGHT 2003 ACS on STN
AN 108:145709 CA
TI Interaction of azole derivatives with cytochrome P-450 isozymes in yeast, fungi, plants and mammalian cells
AU Vanden Bossche, Hugo; Marichal, Patrick; Gorrens, Jos; Bellens, Danny; Verhoeven, Hugo; Coene, Marie Claire; Lauwers, William; Janssen, Paul A. J.
CS Dep. Life Sci., Janssen Pharm. Res. Lab., Beerse, B-2340, Belg.
SO Pesticide Science (1987), 21(4), 289-306
CODEN: PSSCBG; ISSN: 0031-613X
DT Journal
LA English

L48 ANSWER 18 OF 21 CA COPYRIGHT 2003 ACS on STN
AN 105:222155 CA
TI Disk agar diffusion and microplate automatized technics for in vitro evaluation of antifungal agents on yeasts and sporulated pathogenic fungi
AU Drouhet, E.; Dupont, B.; Improvisi, L.; Viviani, M. A.; Tortorano, A. M.
CS Unite Mycol., Inst. Pasteur, Paris, 75015, Fr.
SO In Vitro In Vivo Eval. Antifungal Agents, Proc. Int. Symp. (1986), Meeting Date 1985, 31-49. Editor(s): Iwata, Kazuo; Vanden Bossche, H. Publisher: Elsevier, Amsterdam, Neth.
CODEN: 55GMAU
DT Conference
LA English

L48 ANSWER 19 OF 21 CA COPYRIGHT 2003 ACS on STN
AN 103:210970 CA
TI Effects of imidazole- and triazole-derivative antifungal compounds on the growth and morphological development of Candida albicans hyphae
AU Odds, F. C.; Cockayne, A.; Hayward, J.; Abbott, A. B.
CS Dep. Microbiol., Univ. Leicester, Leicester, LE1 7RH, UK
SO Journal of General Microbiology (1985), 131(10), 2581-9
CODEN: JGMIAN; ISSN: 0022-1287
DT Journal
LA English

L48 ANSWER 20 OF 21 CA COPYRIGHT 2003 ACS on STN
AN 101:20459 CA
TI Sensitivity of yeasts and filamentous fungi towards antifungals. Comparative in vitro studies
AU Guglielminetti, M.; Crema, F.
CS Ist. Micol. Med. "R. Ciferri and P. Redaelli", Univ. Pavia, Italy
SO Farmaco, Edizione Pratica (1984), 39(5), 139-47

CODEN: FRPPAO; ISSN: 0430-0912

DT Journal
LA Italian

L48 ANSWER 21 OF 21 CA COPYRIGHT 2003 ACS on STN
AN 100:99438 CA
TI Relative inhibition factors - a novel approach to the assessment of
antifungal antibiotics in vitro
AU Odds, F. C.; Abbott, A. B.
CS Dep. Microbiol., Univ. Leicester, Leicester, LE1 7RH, UK
SO Journal of Antimicrobial Chemotherapy (1984), 13(1), 31-43
CODEN: JACHDX; ISSN: 0305-7453
DT Journal
LA English

=> d 148 21 all

L48 ANSWER 21 OF 21 CA COPYRIGHT 2003 ACS on STN
AN 100:99438 CA
TI Relative inhibition factors - a novel approach to the assessment of
antifungal antibiotics in vitro
AU Odds, F. C.; Abbott, A. B.
CS Dep. Microbiol., Univ. Leicester, Leicester, LE1 7RH, UK
SO Journal of Antimicrobial Chemotherapy (1984), 13(1), 31-43
CODEN: JACHDX; ISSN: 0305-7453
DT Journal
LA English
CC 9-10 (Biochemical Methods)
Section cross-reference(s): 10
AB A system is described for measurement of relative inhibition factors
(RIFs) for antifungal agents, i.e., the area under a fixed portion of the
antifungal dose-response curve, expressed as a percentage of the area
under the dose-response curve for a theor. noninhibitory substance. The
RIFs for the 2 polyenes 5-fluorocytosine (5FC) and griseofulvin correlated
with the known inhibitory activity of these compds. against pathogenic
yeasts, Aspergillus species, and dermatophytes in vitro and in vivo but
revealed wholly new relative inhibitory properties among 5 imidazole
antifungals: ketoconazole and tioconazole emerged as the most active
imidazole antifungals against yeasts and clotrimazole and econazole
against Aspergillus species. Because of the high reproducibility of the
assay and because tests were done in a tissue culture medium in the
presence of serum, it is considered that measurement of RIFs could give
better predictions of likely antifungal activity in vivo than is at
present afforded by tests for minimal inhibitory concns.
ST fungicide fungi yeast sensitivity test; antibiotic **fungus**
sensitivity test
IT Aspergillus flavus
Aspergillus fumigatus
Candida albicans
Candida glabrata
Candida guilliermondii
Candida krusei
Candida parapsilosis
Candida pseudotropicalis
Candida tropicalis
Cryptococcus neoformans
Microsporium canis
Trichophyton mentagrophytes
Trichophyton rubrum
Yeast
(antibiotic sensitivity of, relative inhibition factors for assessment

of)
 IT Fungicides and Fungistats
 (relative inhibition factors for assessment of)
 IT Fungi
 (skin-infecting, antibiotic sensitivity of, relative inhibition factors
 for assessment of)
 IT 126-07-8 1397-89-3 1400-61-9 2022-85-7 22916-47-8
 23593-75-1 27220-47-9 65277-42-1 65899-73-2
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); BIOL (Biological study)
 (antifungal activity of, relative inhibition factors for assessment of)

=> d 148 20 all

L48 ANSWER 20 OF 21 CA COPYRIGHT 2003 ACS on STN
 AN 101:20459 CA
 TI Sensitivity of yeasts and filamentous fungi towards antifungals.
 Comparative in vitro studies
 AU Guglielminetti, M.; Crema, F.
 CS Ist. Micol. Med. "R. Ciferri and P. Redaelli", Univ. Pavia, Italy
 SO Farmaco, Edizione Pratica (1984), 39(5), 139-47
 CODEN: FRPPAO; ISSN: 0430-0912
 DT Journal
 LA Italian
 CC 10-5 (Microbial Biochemistry)
 Section cross-reference(s): 5
 AB The sensitivity of 69 strains of filamentous fungi (*Aspergillus fumigatus*,
A. flavus, *A. glaucus*, *A. candidus*, *Penicillium*, *Rhizopus stolonifer*,
 etc.) and of 103 yeast strains (*Candida albicans*, *C. krusei*, *C.*
stellatoidea, etc.) isolated from humans, was tested in vitro against
 5-fluorocytosine, nystatin, amphotericin B, ketoconazole, miconazole,
 clotrimazole, econazole, tioconazole, and griseofulvin. Of the fungal
 strains, 35% were sensitive to 5-fluorocytosine and nystatin, and 95% to
 econazole. Of the *Candida* strains, 82% were sensitive to 5-fluorocytosine
 and clotrimazole.
 ST yeast **fungus** fungicide antibiotic; *Aspergillus* fungicide
 antibiotic; *Candida* fungicide antibiotic
 IT *Aspergillus candidus*
Aspergillus clavatus
Aspergillus flavus
Aspergillus fumigatus
Aspergillus glaucus
Aspergillus nidulans
Aspergillus niger
Aspergillus ochraceus
Aspergillus sydowii
Aspergillus versicolor
Candida
Candida albicans
Candida glabrata
Candida intermedia
Candida krusei
Candida langeronii
Candida maritima
Candida stellatoidea
Chaetomium globosum
Epicoccum purpurascens
Eupenicillium
Geotrichum candidum
Humicola lanuginosa
Microsporum canis

Microsporum gypseum
Mucor pusillus
Penicillium
Rhizopus stolonifer
Rhodotorula glutinis
Rhodotorula rubra
Saccharomyces cerevisiae
Trichoderma viride
Trichophyton mentagrophytes
Trichophyton rubrum
(antibiotics and fungicides effect on strains of, sensitivity in
relation to)

IT Antibiotics
Fungicides and Fungistats
(fungi and yeast response to, sensitivity in relation to)
IT 126-07-8 1397-89-3 1400-61-9 2022-85-7 22916-47-8
23593-75-1 27220-47-9 65277-42-1 65899-73-2
RL: BIOL (Biological study)
(fungi and yeast sensitivity to)

=> s hydroxy quinoline
390376 HYDROXY
43182 QUINOLINE
L49 370 HYDROXY QUINOLINE
(HYDROXY(W)QUINOLINE)

=> d 149 and 133
L33 IS NOT VALID HERE
For an explanation, enter "HELP DISPLAY".

=> s 149 and 133
L50 1 L49 AND L33

=> d 150 1 all

L50 ANSWER 1 OF 1 CA COPYRIGHT 2003 ACS on STN
AN 136:6492 CA
TI Biologically active polymers. IV. Synthesis and antimicrobial activity of
polymers containing 8-hydroxyquinoline moiety
AU Kenawy, El-Refaie
CS Chemistry Department, Polymer Research Group, Faculty of Science,
University of Tanta, Tanta, Egypt
SO Journal of Applied Polymer Science (2001), 82(6), 1364-1374
CODEN: JAPNAB; ISSN: 0021-8995
PB John Wiley & Sons, Inc.
DT Journal
LA English
CC 35-8 (Chemistry of Synthetic High Polymers)
Section cross-reference(s): 1
AB Polymers contg. 8-hydroxyquinoline moiety were prepd. Chloromethyl groups
were introduced in poly(glycidyl methacrylate) by hydrolysis and
chloroacetylation or by amination with ethylenediamine or
hexamethylenediamine, followed by reacting with chloroacetyl chloride.
The polymers contg. 8-hydroxyquinoline moiety were prepd. by reacting the
chloromethyl groups contg. polymers with potassium salt of 8-
hydroxy quinoline. The antimicrobial activity of the
polymers obtained was examd. against gram-neg. bacteria (Escherichia coli)
and gram-pos. bacteria (Bacillus subtilis) as well as the **fungus**
Trichophyton rubrum. Generally, all three polymers proved effective
against the tested microorganisms, but growth inhibitory effects varied
from one another.

ST polyglycidyl methacrylate hydroxyquinoline moiety antimicrobial activity
 IT Antimicrobial agents
 (synthesis and antimicrobial activity of polymers contg.
 8-hydroxyquinoline moiety)
 IT 79-04-9DP, Chloroacetyl chloride, reaction products with poly(glycidyl
 methacrylate), hydroxyquinoline derivs. 107-15-3DP, Ethylenediamine,
 reaction products with poly(glycidyl methacrylate), hydroxyquinoline
 derivs. 124-09-4DP, Hexamethylenediamine, reaction products with
 poly(glycidyl methacrylate), hydroxyquinoline derivs. 25067-05-4DP,
 Poly(glycidyl methacrylate), 8-hydroxyquinoline-contg. 37407-37-7DP,
 Potassium 8-quinolinolate, reaction products with hydrolyzed poly(glycidyl
 methacrylate) derivs.
 RL: BSU (Biological study, unclassified); SPN (Synthetic preparation);
 BIOL (Biological study); PREP (Preparation)
 (synthesis and antimicrobial activity of polymers contg.
 8-hydroxyquinoline moiety)

RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
 RE

- (1) Anon; Introduction to Medicinal Chemistry 1997
- (2) Casterton, J; J Antimicrob Chemother 1975, V1, P363
- (3) Franklin, T; Biochemistry of Antimicrobial Action 1981, P58
- (4) Furniss, B; Vogl's Textbook of Practical Organic Chemistry; 5th ed 1989
- (5) Gel'Man, N; Bacterial Membranes and the Respiratory Chain 1975, P27
- (6) Greenwald, R; J Bioact Biocompat Polym 1992, V7, P82 CA
- (7) Greenwood, D; Antibiotic and Chemotherapy 1997, P10 CA
- (8) Hancock, R; J Antimicrob Chemother 1992, V29, P235 MEDLINE
- (9) Hungo, W; J Pharm Pharmacol 1964, V16, P655
- (10) Hungo, W; J Pharm Pharmacol 1966, V18, P569
- (11) Hunter, T; J Polymer 1994, V35, P3530 CA
- (12) Ikeda, T; Antimicrob Agents Chemother 1984, V26, P139 CA
- (13) Ikeda, T; Biochim Biophys Acta 1984, V769, P57 CA
- (14) Ikeda, T; Makromol Chem 1984, V185, P869 CA
- (15) Jung, B; J Appl Polym Sci 1999, V72, P1713 CA
- (16) Kanazawa, A; J Polym Sci Part A: Polym Chem 1993, V31, P1441 CA
- (17) Kanazawa, A; J Polym Sci Part A: Polym Chem 1993, V31, P335 CA
- (18) Katchalsky, A; J Biophys 1964, V4, P9 CA
- (19) Kenawy, E; J Control Release 1998, V50, P145 CA
- (20) Li, G; J Appl Polym Sci 1998, V67, P1761 CA
- (21) Nakashima, T; Bokin Bobai 1987, V15, P325 CA
- (22) Nam, C; J Appl Polym Sci 1999, V74, P2258 CA
- (23) Nho, Y; J Mass Spectrosc Pure Chem 1997, VA34, P831 CA
- (24) Nurdin, N; J Appl Polym Sci 1993, V50, P671 CA
- (25) Oh, S; J Appl Polym Sci 1994, V54, P859 CA
- (26) Pridham, T; Phytopathology 1956, V46, P568 CA
- (27) Sauvet, G; J Appl Polym Sci 2000, V75, P1005 CA
- (28) Shin, Y; J Appl Polym Sci 1999, V74, P2911 CA
- (29) Uemura, Y; J Appl Polym Sci 1999, V72, P371 CA

=> d his

(FILE 'HOME' ENTERED AT 15:31:51 ON 04 AUG 2003)

FILE 'REGISTRY' ENTERED AT 15:32:03 ON 04 AUG 2003

L1	75 S FARNESOL
L2	1 S HEXANOYL SPHINGOSINE
L3	0 S OLEOYL BETAINE
L4	55 S URSOLIC ACID
L5	165 S IONONE
L6	0 S UTRECT-2
L7	1 S UTRECHT 2
L8	5 S BIFONAZOLE

L9 6 S CLOTRIMAZOLE
 L10 5 S KETOCONAZOLE
 L11 15 S MICONAZOLE
 L12 0 S DAIZEDEIN
 L13 51 S DAIDZEIN
 L14 75 S GENISTEIN
 L15 0 S PHYTOESTRAGEN
 E PHYTOESTROGEN
 L16 3 S E3

FILE 'CA' ENTERED AT 15:42:33 ON 04 AUG 2003

L17 10486 S RETINOL
 L18 0 S GLUTAMASE TRANSAMINASE
 L19 189 S GLUTAMATE TRANSAMINASE
 L20 0 S L19 AND L17
 L21 19649 S TRANSAMINASE
 L22 24 S L21 AND L17
 E DERMAL
 L23 11755 S E3-E11
 L24 3285 S L1
 E PHYTOESTROGEN
 L25 1454 S E3-E8
 L26 1 S L25 AND L23
 E SKIN
 L27 184746 S E3
 L28 22 S L27 AND L25
 L29 0 S RESVESEROL
 L30 1408 S RESVERATROL
 L31 4 S L30 AND L23
 L32 0 S L24 AND L30
 E FUNGUS
 L33 40001 S E3
 L34 21 S L33 AND L30
 L35 2462 S L13
 L36 3825 S L14
 L37 2384 S L10
 L38 1454 S L9
 L39 2 S L38 AND L35
 L40 47 S L35 AND L33
 L41 11 S L17 AND L33
 L42 28516 S VITAMIN A
 L43 26 S L42 AND L33
 L44 24 S L43 NOT L41
 L45 38 S L24 AND L33
 L46 43 S L38 AND L33
 L47 76 S L37 AND L33
 L48 21 S L47 AND L46
 L49 370 S HYDROXY QUINOLINE
 L50 1 S L49 AND L33

=> s 124 and 127

L51 113 L24 AND L27

=> d 151 80-113

L51 ANSWER 80 OF 113 CA COPYRIGHT 2003 ACS on STN

AN 123:40727 CA

TI Composition and method for visibly reducing the size of skin pores

IN Duffy, John A.; Znaiden, Alexander P.

PA Avon Products, Inc., USA

SO U.S., 5 pp. Cont. of U.S. Ser. No. 986,814, abandoned.

CODEN: USXXAM

DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5415861	A	19950516	US 1994-238978	19940506
	US 5472699	A	19951205	US 1995-380347	19950127
PRAI	US 1991-724104		19910701		
	US 1992-986814		19921208		
	US 1994-238978		19940506		

L51 ANSWER 81 OF 113 CA COPYRIGHT 2003 ACS on STN

AN 122:281655 CA

TI Preclinical efficacy evaluation of potential chemopreventive agents in animal carcinogenesis models: methods and results from the NCI Chemoprevention Drug Development Program

AU Steele, Vernon E.; Moon, Richard C.; Lubet, Ronald A.; Grubbs, Clinton J.; Reddy, Bandaru S.; Wargovich, Michael; McCormick, David L.; Pereira, Michael A.; Crowell, James A.; et al.

CS DCPC, National Institutes of Health, Bethesda, MD, 20892, USA

SO Journal of Cellular Biochemistry (1994), (Suppl. 20), 32-54

CODEN: JCEBD5; ISSN: 0730-2312

PB Wiley-Liss

DT Journal

LA English

L51 ANSWER 82 OF 113 CA COPYRIGHT 2003 ACS on STN

AN 122:169916 CA

TI Effects of penetration enhancer treatment on the statistical distribution of human skin permeabilities

AU Cornwell, P. A.; Barry, B. W.

CS Postgraduate Studies in Pharmaceutical Technology, The School of Pharmacy, University of Bradford, Bradford, BD7 1DP, UK

SO International Journal of Pharmaceutics (1995), 117(1), 101-12

CODEN: IJPHDE; ISSN: 0378-5173

PB Elsevier

DT Journal

LA English

L51 ANSWER 83 OF 113 CA COPYRIGHT 2003 ACS on STN

AN 122:142078 CA

TI Perfume compositions

IN Sawano, Kyohito; Iwai, Hisao; Hatsutori, Renzo; Nakamura, Shoji; Komata, Akihiko

PA Takasago Perfumery Co., Ltd., Japan; Shiseido Co., Ltd.

SO Jpn. Kokai Tokkyo Koho, 18 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06179610	A2	19940628	JP 1992-166734	19920603
	JP 3024865	B2	20000327		
PRAI	JP 1992-166734		19920603		

L51 ANSWER 84 OF 113 CA COPYRIGHT 2003 ACS on STN

AN 122:79653 CA

TI Methyl trans-geranate and -farnesoate as markers for Gewurztraminer grape skins and related distillates.

AU Versini, G.; Rapp, A.; Serra, A. Dalla; Pichler, U.; Ramponi, M.

CS Laboratorio di Analisi e di Ricerca, Istituto Agrario di San Michele
all'Adige, Trento, I-38010, Italy
SO Vitis (1994), 33(3), 139-42
CODEN: VITIAY; ISSN: 0042-7500
DT Journal
LA English

L51 ANSWER 85 OF 113 CA COPYRIGHT 2003 ACS on STN
AN 122:76551 CA
TI Volatile constituents of the seed and fruit **skin** oils of
Catimbum latilabre (Ridl.) Holtt. from Vietnam
AU Leclercq, Piet A.; Dung, Nguyen Xuan; Chinh, Trinh Dinh; Rang, Do Dinh
CS Department Chemical Engineering, Eindhoven University Technology,
Eindhoven, 5600 MB, Neth.
SO Journal of Essential Oil Research (1994), 6(5), 541-3
CODEN: JEOREG; ISSN: 1041-2905
DT Journal
LA English

L51 ANSWER 86 OF 113 CA COPYRIGHT 2003 ACS on STN
AN 121:246297 CA
TI preparation of cell differentiation-inducing geranylgeranyl analogs for
cancer treatment
IN Sakai, Tatsu; Tanaka, Tomohide; Sato, Kana; Hibi, Takashi; Tanabe, Yoshio;
Oosawa, Shigemitsu
PA Eisai Co Ltd, Japan
SO Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF
DT Patent
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06192073	A2	19940712	JP 1992-357256	19921224
PRAI	JP 1992-357256		19921224		
OS	MARPAT 121:246297				

L51 ANSWER 87 OF 113 CA COPYRIGHT 2003 ACS on STN
AN 121:91354 CA
TI cosmetics for rough **skin**
IN Matsubara, Akyoshi; Nagasawa, Yumi; Shaku, Masao
PA Pola Kasei Kogyo Kk, Japan
SO Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DT Patent
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06128137	A2	19940510	JP 1992-274633	19921013
	JP 3104938	B2	20001030		
PRAI	JP 1992-274633		19921013		

L51 ANSWER 88 OF 113 CA COPYRIGHT 2003 ACS on STN
AN 121:91289 CA
TI Cutaneous active substances and their complexes
AU Tur, Vladimir
CS Switz.
SO Cosmetic News (1993), 16(92), 308-12
CODEN: COSNDG; ISSN: 1125-6222
DT Journal
LA Italian

L51 ANSWER 89 OF 113 CA COPYRIGHT 2003 ACS on STN
 AN 120:307256 CA
 TI Sesquiterpene components of volatile oils as **skin** penetration
 enhancers for the hydrophilic permeant 5-fluorouracil
 AU Cornwell, P. A.; Barry, B. W.
 CS Sch. Pharm., Univ. Bradford, Bradford/W. Yorkshire, BD7 1DP, UK
 SO Journal of Pharmacy and Pharmacology (1994), 46(4), 261-9
 CODEN: JPPMAB; ISSN: 0022-3573
 DT Journal
 LA English

L51 ANSWER 90 OF 113 CA COPYRIGHT 2003 ACS on STN
 AN 119:256569 CA
 TI Transdermal preparations containing N-lauroylsarcosine and guaiazulene
 and/or farnesol
 IN Aioi, Akihiro; Izumoto, Taneya; Kuryama, Kyoshi
 PA Sekisui Chemical Co Ltd, Japan
 SO Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 05229962	A2	19930907	JP 1992-34785	19920221
	JP 3224582	B2	20011029		
PRAI	JP 1992-34785		19920221		

L51 ANSWER 91 OF 113 CA COPYRIGHT 2003 ACS on STN
 AN 119:79784 CA
 TI The essential oils of flowers and fruit **skin** of two types of
 Citrus maxima from Doan Hung and Van Tri
 AU Nguyen Xuan Dung; Nguyen Manh Pha; Vu Ngoc Lo
 CS Ha Noi Univ., Vietnam
 SO Tap Chi Duoc Hoc (1992), (6), 15-17
 CODEN: TCDHDQ; ISSN: 0258-6967
 DT Journal
 LA Vietnamese

L51 ANSWER 92 OF 113 CA COPYRIGHT 2003 ACS on STN
 AN 118:240934 CA
 TI Synergistic dermatological drugs comprising tocopherols and isoprenoid
 lipid precursors
 IN Momenai, Hamid
 PA Germany
 SO Ger. Offen., 5 pp.
 CODEN: GWXXBX
 DT Patent
 LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4125871	A1	19930318	DE 1991-4125871	19910805
PRAI	DE 1991-4125871		19910805		

L51 ANSWER 93 OF 113 CA COPYRIGHT 2003 ACS on STN
 AN 118:240470 CA
 TI **Skin**-protecting oil-in-water emulsion
 IN Schreiber, Engelbert
 PA Liechtenstein
 SO Patentschrift (Switz.), 7 pp.

CODEN: SWXXAS

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CH 680565	A	19920930	CH 1990-771	19900308
PRAI	CH 1990-771		19900308		

L51 ANSWER 94 OF 113 CA COPYRIGHT 2003 ACS on STN

AN 116:214752 CA

TI Preparation of terpenylorcinol compounds as tyrosinase inhibitors, antioxidants, and antibacterial agents

IN Shibata, Hisao; Minosasa, Yusuke; Matsui, Kiyoko; Uehara, Hisao; Tanaka, Hiroshi

PA Naris Cosmetics Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 29 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 03284612	A2	19911216	JP 1990-86737	19900330
	JP 2969363	B2	19991102		
PRAI	JP 1990-86737		19900330		
OS	MARPAT 116:214752				

L51 ANSWER 95 OF 113 CA COPYRIGHT 2003 ACS on STN

AN 116:180924 CA

TI Cosmetic compositions containing vitamin A derivatives in liposomes for transport through membranes

IN Gutierrez, Gilles

PA Patrinove, Fr.; Texinfine

SO Eur. Pat. Appl., 7 pp.

CODEN: EPXXDW

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 467795	A2	19920122	EP 1991-420223	19910704
	EP 467795	A3	19930310		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	FR 2664164	A1	19920110	FR 1990-8781	19900704
	FR 2664164	B1	19941125		
	ZA 9105121	A	19920527	ZA 1991-5121	19910702
	AU 9180218	A1	19920109	AU 1991-80218	19910704
	JP 05025036	A2	19930202	JP 1991-259929	19910704
PRAI	FR 1990-8781		19900704		

L51 ANSWER 96 OF 113 CA COPYRIGHT 2003 ACS on STN

AN 116:28160 CA

TI Topical pharmaceuticals and cosmetics containing biodegradable nanoparticles for skin treatment

IN Handjani, Rose Marie; Ribier, Alain

PA Oreal S. A., Fr.

SO Eur. Pat. Appl., 20 pp.

CODEN: EPXXDW

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 447318	A1	19910918	EP 1991-400684	19910313
	EP 447318	B1	19950531		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE				
	FR 2659554	A1	19910920	FR 1990-3418	19900316
	FR 2659554	B1	19940930		
	ES 2072563	T3	19950716	ES 1991-400684	19910313
	CA 2038331	AA	19910917	CA 1991-2038331	19910315
	CA 2038331	C	19981027		
	ZA 9101933	A	19911224	ZA 1991-1933	19910315
	JP 05148129	A2	19930615	JP 1991-216760	19910315
	US 6203802	B1	20010320	US 1994-195081	19940214
	US 2001010824	A1	20010802	US 2001-766593	20010123
PRAI	FR 1990-3418	A	19900316		
	US 1991-668308	B1	19910313		
	US 1992-961537	B1	19921015		
	US 1994-195081	A1	19940214		

L51 ANSWER 97 OF 113 CA COPYRIGHT 2003 ACS on STN

AN 114:69049 CA

TI Ozonides of terpenes and their medical uses

IN Herman, Stephen

PA USA

SO PCT Int. Appl., 21 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8912626	A1	19891228	WO 1989-US2640	19890616
	W: AU, BR, JP, KR				
	RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
	AU 8940586	A1	19900112	AU 1989-40586	19890616
	EP 427781	A1	19910522	EP 1989-909317	19890616
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	JP 04502145	T2	19920416	JP 1989-508769	19890616
	CA 1338083	A1	19960227	CA 1989-603585	19890622
	US 5190979	A	19930302	US 1992-896735	19920609
	US 5364879	A	19941115	US 1994-195983	19940214
PRAI	US 1988-211378		19880624		
	WO 1989-US2640		19890616		
	US 1989-456216		19891220		
	US 1991-813962		19911224		
	US 1992-823087		19920115		
	US 1992-996503		19921223		

L51 ANSWER 98 OF 113 CA COPYRIGHT 2003 ACS on STN

AN 111:45065 CA

TI Deodorizing bactericidal cosmetics containing farnesol and glycerol monolaurate and hydroxyalkyl phenyl ethers

IN Hoppe, Udo; Eigener, Ulrich; Sauermann, Gerhard; Engel, Walter; Pape, Wolfgang

PA Beiersdorf A.-G., Fed. Rep. Ger.

SO Ger. Offen., 9 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PI	DE 3740186	A1	19890105	DE 1987-3740186	19871127
	ZA 8803367	A	19881228	ZA 1988-3367	19880511
	CA 1322174	A1	19930914	CA 1988-566468	19880511
	US 4921694	A	19900501	US 1988-197949	19880524
	AU 8816661	A1	19890105	AU 1988-16661	19880526
	AU 604901	B2	19910103		
	EP 297310	A2	19890104	EP 1988-108959	19880604
	EP 297310	A3	19890531		
	EP 297310	B1	19910828		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, SE				
	AT 66595	E	19910915	AT 1988-108959	19880604
	ES 2038715	T3	19930801	ES 1988-108959	19880604
	JP 01022815	A2	19890125	JP 1988-148394	19880617
	JP 07098739	B4	19951025		
	DD 299037	A5	19920326	DD 1988-316955	19880620
	DK 8803378	A	19881225	DK 1988-3378	19880621
	FI 8803055	A	19881225	FI 1988-3055	19880623
	HU 46843	A2	19881228	HU 1988-3193	19880623
	HU 198123	B	19890828		
PRAI	DE 1987-3720831		19870624		
	DE 1987-3740186		19871127		
	EP 1988-108959		19880604		

L51 ANSWER 99 OF 113 CA COPYRIGHT 2003 ACS on STN
 AN 110:154618 CA
 TI 1-(Substituted)azacyclopentan-2-ones as transdermal absorption enhancers, their preparation, and formulations containing them
 IN Hashida, Mitsuru; Sezaki, Hitoshi; Konishi, Michiko; Mori, Fumio; Nishida, Takuji
 PA Kuraray Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63215665	A2	19880908	JP 1987-49857	19870303
PRAI	JP 1987-49857		19870303		
OS	MARPAT 110:154618				

L51 ANSWER 100 OF 113 CA COPYRIGHT 2003 ACS on STN
 AN 110:101853 CA
 TI Transdermal drugs containing N-substituted lanctams as absorption accelerators
 IN Hashida, Mitsuru; Sezaki, Hitoshi; Konishi, Michiko; Mori, Fumio; Nishida, Takuji
 PA Kuraray Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63215667	A2	19880908	JP 1987-49859	19870303
	JP 07002717	B4	19950118		
PRAI	JP 1987-49859		19870303		
OS	MARPAT 110:101853				

L51 ANSWER 101 OF 113 CA COPYRIGHT 2003 ACS on STN
 AN 110:101852 CA

TI 1-Substituted-azacyclohexan-2-ones and their transdermal drugs as
absorption accelerators
IN Hashida, Mitsuru; Sezaki, Hitoshi; Konishi, Michiko; Mori, Fumio; Nishida,
Takuji
PA Kuraray Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63215666	A2	19880908	JP 1987-49858	19870303
	JP 07088360	B4	19950927		
PRAI	JP 1987-49858		19870303		
OS	MARPAT 110:101852				

L51 ANSWER 102 OF 113 CA COPYRIGHT 2003 ACS on STN
AN 109:237024 CA
TI Transdermal formulations containing 1-azacycloheptan-2-one derivatives as
absorption accelerators
IN Hashida, Mitsuru; Sezaki, Hitoshi; Kanehira, Koichi; Mori, Fumio; Nishida,
Takuji
PA Kuraray Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63066172	A2	19880324	JP 1986-212065	19860908
	JP 07030029	B4	19950405		
PRAI	JP 1986-212065		19860908		
OS	CASREACT 109:237024; MARPAT 109:237024				

L51 ANSWER 103 OF 113 CA COPYRIGHT 2003 ACS on STN
AN 107:98683 CA
TI Disinfecting wash solution for **skin** and hands
IN Jentsch, Guenther
PA Fresenius A.-G., Fed. Rep. Ger.
SO Ger. Offen., 11 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3543918	A1	19870619	DE 1985-3543918	19851212
PRAI	DE 1985-3543918		19851212		

L51 ANSWER 104 OF 113 CA COPYRIGHT 2003 ACS on STN
AN 105:49055 CA
TI Topical pharmaceutical bases containing polar compounds and sesquiterpene
alcohols
IN Ito, Yoshiaki; Sato, Susumu; Abe, Yoko
PA Nitto Electric Industrial Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 61033129	A2	19860217	JP 1984-154292	19840725
	JP 05070609	B4	19931005		
PRAI	JP 1984-154292		19840725		

L51 ANSWER 105 OF 113 CA COPYRIGHT 2003 ACS on STN

AN 103:92860 CA

TI Topical pharmaceutical bases

PA NEC Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 60069015	A2	19850419	JP 1983-179794	19830927
	JP 03065323	B4	19911011		
PRAI	JP 1983-179794		19830927		

L51 ANSWER 106 OF 113 CA COPYRIGHT 2003 ACS on STN

AN 103:68479 CA

TI Chemical studies of British Columbia nudibranchs

AU Gustafson, Kirk; Andersen, Raymond J.

CS Dep. Chem., Univ. British Columbia, Vancouver, BC, V6T 1W5, Can.

SO Tetrahedron (1985), 41(6), 1101-8

CODEN: TETRAB; ISSN: 0040-4020

DT Journal

LA English

L51 ANSWER 107 OF 113 CA COPYRIGHT 2003 ACS on STN

AN 102:209127 CA

TI Use of natural and natural-identical products in cosmetics

AU Spirik, Gerhard

CS Dragoco Gerberding und Co. G.m.b.H., Holzminden, D-3450, Fed. Rep. Ger.

SO Seifen, Oele, Fette, Wachse (1985), 111(1), 3-7

CODEN: SOFWAF; ISSN: 0037-0983

DT Journal

LA German

L51 ANSWER 108 OF 113 CA COPYRIGHT 2003 ACS on STN

AN 101:216216 CA

TI The deodorizing activity of some fragrance oils

AU Morganti, P.; Introini, C.; Randazzo, S. D.

CS Cent. Biol. Tossicol. Cosmetol., Univ. Milano, Milan, 20129, Italy

SO Journal of Applied Cosmetology (1984), 2(2), 18-27

CODEN: JACOEL; ISSN: 0392-8543

DT Journal

LA English/Italian

L51 ANSWER 109 OF 113 CA COPYRIGHT 2003 ACS on STN

AN 99:181468 CA

TI Sebo-suppressive cosmetic products containing long-chain alkanols and antioxidants.

IN Moeller, Hinrich; Wallat, Siegfried; Hoeffkes, Horst; Giede, Karl

PA Henkel K.-G.a.A., Fed. Rep. Ger.

SO PCT Int. Appl., 16 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8302390	A1	19830721	WO 1983-EP5	19830112
	W: JP				
	RW: AT, BE, CH, DE, FR, GB, LU, NL, SE				
	DE 3201511	A1	19830728	DE 1982-3201511	19820120
	US 4496536	A	19850129	US 1982-372474	19820428
	EP 98843	A1	19840125	EP 1983-900273	19830112
	EP 98843	B1	19860723		
	R: AT, BE, CH, DE, FR, GB, LI, LU, NL, SE				
	JP 59500129	T2	19840126	JP 1983-500346	19830112
	AT 20822	E	19860815	AT 1983-900273	19830112
PRAI	DE 1982-3201511		19820120		
	EP 1983-900273		19830112		
	WO 1983-EP5		19830112		

L51 ANSWER 110 OF 113 CA COPYRIGHT 2003 ACS on STN
AN 97:107541 CA
TI Characterization of chemical stimuli for the penetration of Schistosoma mansoni cercariae. I. Effective substances, host specificity
AU Haas, Wilfried; Schmitt, Renate
CS Zool. Inst., Univ. Frankfurt, Frankfurt/Main, D-6000, Fed. Rep. Ger.
SO Zeitschrift fuer Parasitenkunde (1982), 66(3), 293-307
CODEN: ZEPAA6; ISSN: 0044-3255
DT Journal
LA English

L51 ANSWER 111 OF 113 CA COPYRIGHT 2003 ACS on STN
AN 96:187298 CA
TI Penetrating topical pharmaceutical compositions
IN Wickett, Richard Randall; Cooper, Eugene Rex; Loomans, Maurice Edward
PA Procter and Gamble Co., USA
SO Eur. Pat. Appl., 39 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 43738	A2	19820113	EP 1981-303128	19810709
	EP 43738	A3	19820922		
	EP 43738	B1	19851002		
	R: BE, CH, DE, FR, GB, IT, LU, NL, SE				
	CA 1165240	A1	19840410	CA 1981-381263	19810707
	AU 8172720	A1	19820114	AU 1981-72720	19810709
	AU 544969	B2	19850627		
	JP 57081408	A2	19820521	JP 1981-107574	19810709
	JP 04020886	B4	19920407		
	ZA 8104650	A	19820728	ZA 1981-4650	19810709
	US 4954487	A	19900904	US 1989-312354	19890215
PRAI	US 1980-167167		19800709		
	US 1979-1974		19790108		
	US 1980-149104		19800512		
	US 1981-296706		19810827		
	US 1983-516005		19830720		
	US 1987-56344		19870527		

L51 ANSWER 112 OF 113 CA COPYRIGHT 2003 ACS on STN
AN 92:185726 CA
TI Cosmetic composition
IN Tur, Wladimir
PA Uni-Chemie A.-G., Switz.

SO Ger. Offen., 15 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2926267	A1	19800117	DE 1979-2926267	19790629
	DE 2926267	C2	19870409		
	CH 642256	A	19840413	CH 1978-7374	19780706
	AT 7904350	A	19820415	AT 1979-4350	19790620
	AT 368878	B	19821125		
	FR 2430226	A1	19800201	FR 1979-17452	19790705
	FR 2430226	B1	19830930		
	AU 7948678	A1	19800207	AU 1979-48678	19790705
	AU 527575	B2	19830310		
	US 4331655	A	19820525	US 1979-71796	19790904
PRAI	CH 1978-7374		19780706		

L51 ANSWER 113 OF 113 CA COPYRIGHT 2003 ACS on STN

AN 75:46728 CA

TI Cocarcinogenesis studies on mouse **skin** and inhibition of tumor induction

AU Van Duuren, B. L.; Blazej, T.; Goldschmidt, B. M.; Katz, C.; Melchionne, S.; Sivak, A.

CS Med. Cent., New York Univ., New York, NY, USA

SO Journal of the National Cancer Institute (1940-1978) (1971), 46(5), 1039-44

CODEN: JNCIAM; ISSN: 0027-8874

DT Journal

LA English

=> s 136 and 127

L52 127 L36 AND L27

=> d 152 80-127

L52 ANSWER 80 OF 127 CA COPYRIGHT 2003 ACS on STN

AN 133:94311 CA

TI Cosmetic or dermatological composition containing an active principle stimulating HSP 32 protein synthesis in the **skin**

IN Nizard, Carine; Moreau, Marielle; Bonte, Frederic

PA Parfums Christian Dior, Fr.

SO PCT Int. Appl., 19 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000040215	A1	20000713	WO 1999-FR3310	19991229
	W: JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	FR 2787996	A1	20000707	FR 1998-16641	19981230
	FR 2787996	B1	20020510		
	EP 1140000	A1	20011010	EP 1999-964734	19991229
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRAI	FR 1998-16641	A	19981230		
	WO 1999-FR3310	W	19991229		

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 81 OF 127 CA COPYRIGHT 2003 ACS on STN
AN 133:85129 CA
TI Method for improving transduction efficiency of adeno-associated virus 2
(AAV) by using human fibroblast growth factor receptor 1(FGFR1) as a
co-receptor
IN Srivastava, Arun; Qing, Keyun; Mah, Cathryn; Hansen, Jonathan; Zhou,
Shangzhen; Dwarki, Varavani
PA Advanced Research and Technology Institute, USA
SO PCT Int. Appl., 94 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000039311	A1	20000706	WO 1999-US31220	19991229
	W:				
	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,				
	CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,				
	IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,				
	MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,				
	SK, SL, TJ				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,				
	DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,				
	CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2358094	AA	20000706	CA 1999-2358094	19991229
	EP 1141339	A1	20011010	EP 1999-968572	19991229
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
	IE, FI				
	JP 2002533128	T2	20021008	JP 2000-591202	19991229
PRAI	US 1998-114596P	P	19981231		
	WO 1999-US31220	W	19991229		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 82 OF 127 CA COPYRIGHT 2003 ACS on STN
AN 133:79345 CA
TI A method for the prophylactic treatment of cataracts
IN De Juan, Eugen, Jr.
PA Johns Hopkins University School of Medicine, USA
SO PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000037066	A2	20000629	WO 1999-US30634	19991222
	WO 2000037066	A3	20010920		
	W:				
	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,				
	CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,				
	IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,				
	MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,				
	SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ,				
	BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,				
	DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,				
	CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 6399655	B1	20020604	US 1998-218956	19981222
PRAI	US 1998-218956	A	19981222		

OS MARPAT 133:79345

L52 ANSWER 83 OF 127 CA COPYRIGHT 2003 ACS on STN

AN 132:260299 CA

TI The Flavonoid Apigenin Suppresses Vitamin D Receptor Expression and Vitamin D Responsiveness in Normal Human Keratinocytes

AU Segaert, Siegfried; Courtois, Stephane; Garmyn, Marjan; Degreef, Hugo; Bouillon, Roger

CS Laboratory for Experimental Medicine and Endocrinology, Katholieke Universiteit Leuven, Campus Gasthuisberg, Louvain, B-3000, Belg.

SO Biochemical and Biophysical Research Communications (2000), 268(1), 237-241

CODEN: BBRCA9; ISSN: 0006-291X

PB Academic Press

DT Journal

LA English

RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 84 OF 127 CA COPYRIGHT 2003 ACS on STN

AN 132:227475 CA

TI Treatment of oncologic tumors with an injectable formulation of a Golgi apparatus disturbing agent

IN Singh, Saira Sayed

PA Oncopharmaceutical, Inc., USA

SO PCT Int. Appl., 32 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000015766	A1	20000323	WO 1999-US21312	19990915
	W: AU, CA, JP, KR				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	CA 2344316	AA	20000323	CA 1999-2344316	19990915
	AU 9959253	A1	20000403	AU 1999-59253	19990915
	EP 1114144	A1	20010711	EP 1999-946955	19990915
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	US 6287602	B1	20010911	US 1999-397390	19990915
	JP 2002525268	T2	20020813	JP 2000-570293	19990915
	US 2002012703	A1	20020131	US 2001-912115	20010723
	US 6497904	B2	20021224		
PRAI	US 1998-100479P	P	19980916		
	US 1999-397390	A1	19990915		
	WO 1999-US21312	W	19990915		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 85 OF 127 CA COPYRIGHT 2003 ACS on STN

AN 132:227170 CA

TI Method and compositions for reducing dermatological aging and for reducing bruising

IN Duraiswami, Chaya; Simpson, Susan E.; Garrison, Mark S.; Martin, Dennis M.; Bloom, Roberta C.

PA Avon Products, Inc., USA

SO PCT Int. Appl., 28 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000013661	A1	20000316	WO 1999-US20854	19990910
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2309179	AA	20000316	CA 1999-2309179	19990910
	AU 9960345	A1	20000327	AU 1999-60345	19990910
	BR 9906998	A	20000926	BR 1999-6998	19990910
	EP 1041964	A1	20001011	EP 1999-968624	19990910
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	MX 200004471	A	20001110	MX 2000-4471	20000509
PRAI	US 1998-99698P	P	19980910		
	WO 1999-US20854	W	19990910		

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 86 OF 127 CA COPYRIGHT 2003 ACS on STN

AN 132:83678 CA

TI Compositions for rapid and non-irritating transdermal delivery of pharmaceutically active agents and methods for formulating such compositions and delivery thereof

IN Kirby, Kenneth B.; Pettersson, Berno

PA Transdermal Technologies, Inc., USA

SO PCT Int. Appl., 92 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000001351	A1	20000113	WO 1999-US15297	19990707
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2336682	AA	20000113	CA 1999-2336682	19990707
	AU 9949725	A1	20000124	AU 1999-49725	19990707
	EP 1094781	A1	20010502	EP 1999-933731	19990707
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2002519366	T2	20020702	JP 2000-557798	19990707
	US 2003104040	A1	20030605	US 2002-74497	20020211
PRAI	US 1998-91910P	P	19980707		
	WO 1999-US15297	W	19990707		
	US 2000-381095	A3	20000511		

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 87 OF 127 CA COPYRIGHT 2003 ACS on STN

AN 132:18780 CA
 TI Compositions comprising antimicrotubule agents for treating or preventing inflammatory diseases
 IN Hunter, William L.
 PA Angiotech Pharmaceuticals, Inc., Can.
 SO PCT Int. Appl., 340 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9962510	A2	19991209	WO 1999-CA464	19990601
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 6495579	B1	20021217	US 1998-88546	19980601
PRAI	US 1998-88546	A	19980601		
	US 1996-32215P	P	19961202		
	US 1997-63087P	P	19971024		
	US 1997-980549	A2	19971201		

L52 ANSWER 88 OF 127 CA COPYRIGHT 2003 ACS on STN

AN 131:281600 CA

TI Methods and compositions for reducing UV-induced inhibition of collagen synthesis in human skin

IN Fisher, Gary J.; Voorhees, John J.

PA The Regents of the University of Michigan, USA

SO PCT Int. Appl., 52 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9951220	A1	19991014	WO 1999-US7267	19990402
	W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GD, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2326507	AA	19991014	CA 1999-2326507	19990402
	AU 9936374	A1	19991025	AU 1999-36374	19990402
	AU 740569	B2	20011108		
	BR 9909899	A	20001226	BR 1999-9899	19990402
	EP 1067920	A1	20010117	EP 1999-918456	19990402
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2002510621	T2	20020409	JP 2000-541991	19990402
PRAI	US 1998-80437P	P	19980402		
	WO 1999-US7267	W	19990402		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 89 OF 127 CA COPYRIGHT 2003 ACS on STN

AN 131:120612 CA

TI Compositions and method for protecting **skin** from UV-induced immunosuppression and **skin** damage

IN Kelly, Graham Edmund; Husband, Alan James

PA Novogen Research Pty. Ltd., Australia

SO PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9936050	A1	19990722	WO 1998-AU1054	19981221
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	CA 2316349	AA	19990722	CA 1998-2316349	19981221
	AU 9916518	A1	19990802	AU 1999-16518	19981221
	AU 750031	B2	20020711		
	EP 1049451	A1	20001108	EP 1998-960911	19981221
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
	NZ 505377	A	20030530	NZ 1998-505377	19981221
	SE 2000002286	A	20000821	SE 2000-2286	20000619
	NO 2000003201	A	20000822	NO 2000-3201	20000620
	US 6455032	B1	20020924	US 2000-582317	20000623
	US 2003059384	A1	20030327	US 2002-212847	20020805
PRAI	AU 1997-1124	A	19971224		
	WO 1998-AU1054	W	19981221		
	US 2000-582317	A1	20000623		

OS MARPAT 131:120612

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 90 OF 127 CA COPYRIGHT 2003 ACS on STN

AN 130:347380 CA

TI Procyanidin oligomers selectively and intensively promote proliferation of mouse hair epithelial cells in vitro and activate hair follicle growth in vivo

AU Takahashi, Tomoya; Kamiya, Toshikazu; Hasegawa, Atsuhiko; Yokoo, Yoshiharu

CS Tsukuba Research Laboratories, Tsukuba, 0841, Japan

SO Journal of Investigative Dermatology (1999), 112(3), 310-316

CODEN: JIDEAE; ISSN: 0022-202X

PB Blackwell Science, Inc.

DT Journal

LA English

RE.CNT 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 91 OF 127 CA COPYRIGHT 2003 ACS on STN

AN 130:332910 CA

TI Methods and compositions for regulation of 5-alpha reductase activity

IN Liao, Shutsung; Hiipakka, Richard A.

PA Arch Development Corporation, USA

SO PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9922728	A1	19990514	WO 1998-US23041	19981030
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	AU 9912898	A1	19990524	AU 1999-12898	19981030
	EP 1027045	A1	20000816	EP 1998-956358	19981030
	R:	AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, SE, PT, IE			
	US 6576660	B1	20030610	US 2000-530443	20000428
	US 2003105030	A1	20030605	US 2002-132050	20020424
	US 2003144346	A1	20030731	US 2002-294331	20021114
PRAI	US 1997-63770P	P	19971031		
	WO 1998-US23041	W	19981030		
	US 2000-530443	A2	20000428		

OS MARPAT 130:332910

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 92 OF 127 CA COPYRIGHT 2003 ACS on STN
AN 130:295991 CA
TI Antioxidant property of dietary phenolic agents in a human LDL-oxidation ex vivo model: interaction of protein binding activity
AU Wang, Weiqun; Goodman, Marc T.
CS Cancer Research Center, University of Hawaii, Honolulu, HI, 96813, USA
SO Nutrition Research (New York) (1999), 19(2), 191-202
CODEN: NTRSDC; ISSN: 0271-5317
PB Elsevier Science Inc.
DT Journal
LA English
RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 93 OF 127 CA COPYRIGHT 2003 ACS on STN
AN 130:287063 CA
TI Method of preparing and using phytochemicals
IN Empie, Mark; Gugger, Eric
PA Archer Daniels Midland Company, USA
SO Eur. Pat. Appl., 12 pp.
CODEN: EPXXDW

DT Patent
LA English

FAN.CNT 6

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 906761	A2	19990407	EP 1998-308060	19981002
	EP 906761	A3	19990519		
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
	US 6261565	B1	20010717	US 1998-162038	19980928
	ZA 9808962	A	19990913	ZA 1998-8962	19981001
PRAI	US 1997-60549P	P	19971002		
	US 1998-162038	P	19980928		

US 1996-614545 A3 19960313
US 1997-868629 A2 19970604
US 1998-35588 A2 19980305

L52 ANSWER 94 OF 127 CA COPYRIGHT 2003 ACS on STN
AN 130:57023 CA
TI Isoflavonoids for treatment and prevention of aging **skin** and wrinkles
IN Gorbach, Sherwood L.
PA USA
SO PCT Int. Appl., 10 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9856373	A1	19981217	WO 1998-US10605	19980526
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	US 6060070	A	20000509	US 1997-873314	19970611
	AU 9876942	A1	19981230	AU 1998-76942	19980526
	EP 998262	A1	20000510	EP 1998-924873	19980526
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2002511860	T2	20020416	JP 1999-502523	19980526
PRAI	US 1997-873314	A	19970611		
	WO 1998-US10605	W	19980526		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 95 OF 127 CA COPYRIGHT 2003 ACS on STN
AN 129:298009 CA
TI Genistein in the control of breast cancer cell growth: insights into the mechanism of action in vitro
AU Fioravanti, Laura; Cappelletti, Vera; Miodini, Patrizia; Ronchi, Enrico; Brivio, Moreno; Di Fronzo, Giovanni
CS Istituto Nazionale per lo Studio e la Cura dei Tumori, Milan, Italy
SO Cancer Letters (Shannon, Ireland) (1998), 130(1,2), 143-152
CODEN: CALEDQ; ISSN: 0304-3835
PB Elsevier Science Ireland Ltd.
DT Journal
LA English

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 96 OF 127 CA COPYRIGHT 2003 ACS on STN
AN 129:270185 CA
TI Isoflavone genistein inhibits the initiation and promotion of two-stage **skin** carcinogenesis in mice
AU Wei, Huachen; Bowen, Ronald; Zhang, Xueshu; Lebwohl, Mark
CS Department of Dermatology, Mount Sinai School of Medicine, New York, NY, 10029, USA
SO Carcinogenesis (1998), 19(8), 1509-1514
CODEN: CRNGDP; ISSN: 0143-3334
PB Oxford University Press

DT Journal

LA English

RE.CNT 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 97 OF 127 CA COPYRIGHT 2003 ACS on STN

AN 129:180177 CA

TI Drugs and cosmetics containing genistein for treatment of proliferative
skin disease

IN Kataoka, Shigehiro; Manaka, Tatsuo; Sometani, Takao; Ohata, Akio

PA Kikkoman Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	JP 10226642	A2	19980825	JP 1997-48552	19970218
PRAI	JP 1997-48552		19970218		

L52 ANSWER 98 OF 127 CA COPYRIGHT 2003 ACS on STN

AN 129:140679 CA

TI Oral compositions containing body fluid function ameliorators for
therapeutic use

IN Kosuga, Masaki; Kosuga, Takuo; Fukushima, Makoto; Inaoka, Yasunori; Okuda,
Takehiro

PA Doctor's Cosmetics Y. K., Japan; Pola Chemical Industries, Inc.

SO Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	JP 10175860	A2	19980630	JP 1997-260525	19970925
PRAI	JP 1996-272722		19961015		
OS	MARPAT 129:140679				

L52 ANSWER 99 OF 127 CA COPYRIGHT 2003 ACS on STN

AN 129:140678 CA

TI Topical compositions containing body fluid function ameliorators or
promoters for therapeutic use

IN Kosuga, Masaki; Kosuga, Takao; Ando, Nobuhiro; Muramatsu, Nobue; Kawai,
Michio

PA Doctors Cosmetics Y. K., Japan; Pola Chemical Industries, Inc.

SO Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	JP 10175859	A2	19980630	JP 1997-260526	19970925
PRAI	JP 1996-276654		19961018		
OS	MARPAT 129:140678				

L52 ANSWER 100 OF 127 CA COPYRIGHT 2003 ACS on STN

AN 129:49314 CA

TI Inhibition of ultraviolet B (UVB)-induced c-fos and c-jun expression in
vivo by a tyrosine kinase inhibitor genistein

AU Wang, Yan; E, Yaping; Zhang, Xueshu; Lebwohl, Mark; Deleo, Vincent; Wei,

Huachen
 CS Department of Dermatology, Mount Sinai School of Medicine, New York, NY,
 10029, USA
 SO Carcinogenesis (1998), 19(4), 649-654
 CODEN: CRNGDP; ISSN: 0143-3334
 PB Oxford University Press
 DT Journal
 LA English
 RE.CNT 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 101 OF 127 CA COPYRIGHT 2003 ACS on STN
 AN 128:280806 CA
 TI Phenolic fatty-acid esters from the peel of 'Gala' apples and their
 possible role in resistance to superficial scald
 AU Whitaker, Bruce D.
 CS Agricultural Research Service, U.S. Department of Agriculture, Beltsville
 Agricultural Research Center, 10300 Baltimore Avenue, Beltsville, MD,
 20705-2350, USA
 SO Postharvest Biology and Technology (1998), 13(1), 1-10
 CODEN: PBTEED; ISSN: 0925-5214
 PB Elsevier Science Ireland Ltd.
 DT Journal
 LA English
 RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 102 OF 127 CA COPYRIGHT 2003 ACS on STN
 AN 128:280308 CA
 TI Differential regulation of the AP-1 family members by UV irradiation in
 vitro and in vivo
 AU Isoherranen, Kirsi; Westermarck, Jukka; Kahari, Veli-Matti; Jansen,
 Christer; Punnonen, Kari
 CS Department of Clinical Chemistry, University of Turku, Kuopio, Finland
 SO Cellular Signalling (1998), 10(3), 191-195
 CODEN: CESIEY; ISSN: 0898-6568
 PB Elsevier Science Inc.
 DT Journal
 LA English
 RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 103 OF 127 CA COPYRIGHT 2003 ACS on STN
 AN 128:149576 CA
 TI Methods and compositions for modulation of growth response
 IN Kufe, Donald W.; Yuan, Zhi-min; Weichselbaum, Ralph R.
 PA Arch Development Corp., USA; Dana-Farber Cancer Institute; Kufe, Donald
 W.; Yuan, Zhi-Min; Weichselbaum, Ralph R.
 SO PCT Int. Appl., 94 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9803195	A1	19980129	WO 1997-US12498	19970718
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,				

GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,
GN, ML, MR, NE, SN, TD, TG

AU 9737313 A1 19980210 AU 1997-37313 19970718
PRAI US 1996-22124P P 19960718
WO 1997-US12498 W 19970718
RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 104 OF 127 CA COPYRIGHT 2003 ACS on STN
AN 128:70767 CA
TI Genistein as a preventive against ultraviolet induced skin
photodamage and cancer
IN Wei, Huachen
PA Mt. Sinai School of Medicine of the City of New York, USA
SO PCT Int. Appl., 16 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9746208	A2	19971211	WO 1997-US11963	19970609
	WO 9746208	A3	19980219		
	W: AU, CA, GB, IL, JP				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 5824702	A	19981020	US 1996-657915	19960607
	AU 9737225	A1	19980105	AU 1997-37225	19970609
	AU 716131	B2	20000217		
	EP 918504	A2	19990602	EP 1997-934083	19970609
	EP 918504	B1	20030319		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2000511907	T2	20000912	JP 1998-500949	19970609
	AT 234599	E	20030415	AT 1997-934083	19970609
PRAI	US 1996-657915	A	19960607		
	WO 1997-US11963	W	19970609		

L52 ANSWER 105 OF 127 CA COPYRIGHT 2003 ACS on STN
AN 128:43546 CA
TI Genistein suppresses growth stimulatory effect of growth factors in HCE
16/3 cells
AU Zheng, Jie
CS Cancer Hosp., Peking Union Medical College, Beijing, 100021, Peop. Rep.
China
SO Zhonghua Zhongliu Zazhi (1997), 19(2), 118-122
CODEN: CCLCDY; ISSN: 0253-3766
PB Zhongguo Yixue Kexueyuan Zhongliu Yanjiuso
DT Journal
LA Chinese

L52 ANSWER 106 OF 127 CA COPYRIGHT 2003 ACS on STN
AN 127:272356 CA
TI Antitumor promoting activities of isoflavonoids from Wistaria brachybotrys
AU Konoshima, Takao; Takasaki, Midori; Kozuka, Mutsuo; Tokuda, Harukuni;
Nishino, Hoyoku; Matsuda, Eriko; Nagai, Masahiro
CS Kyoto Pharmaceutical University, Misasagi, 607, Japan
SO Biological & Pharmaceutical Bulletin (1997), 20(8), 865-868
CODEN: BPBLEO; ISSN: 0918-6158
PB Pharmaceutical Society of Japan
DT Journal
LA English

L52 ANSWER 107 OF 127 CA COPYRIGHT 2003 ACS on STN
AN 127:85843 CA
TI Bath preparations containing isoflavones
IN Matsuura, Masaru; Obata, Akio; Tobe, Koichiro
PA Kikkoman Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF

DT Patent
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09157156	A2	19970617	JP 1995-335662	19951201
PRAI	JP 1995-335662		19951201		

L52 ANSWER 108 OF 127 CA COPYRIGHT 2003 ACS on STN
AN 126:282781 CA
TI Epidermal cell growth promoters and topical preparations
IN Matsuura, Masaru; Saito, Minoru; Obata, Akio; Yamatsugu, Nobuyuki; Tobe, Koichiro
PA Kikkoman Corp, Japan; Noda Sangyo Kagaku Kenkyusho
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF

DT Patent
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09059166	A2	19970304	JP 1995-230682	19950817
	JP 3302535	B2	20020715		
PRAI	JP 1995-230682		19950817		

L52 ANSWER 109 OF 127 CA COPYRIGHT 2003 ACS on STN
AN 126:69827 CA
TI Effects of genistein on **skin** tumor development in mice
AU Dwivedi, Chandradhar; Zhang, Yan; Jensen, Heather J.; Singh, Kamal K.
CS College Pharmacy, South Dakota State University, Brookings, SD, 57007-0099, USA
SO Biochemical Archives (1996), 12(4), 273-276
CODEN: BIAREM; ISSN: 0749-5331
PB MBR Press, Inc.
DT Journal
LA English

L52 ANSWER 110 OF 127 CA COPYRIGHT 2003 ACS on STN
AN 125:272546 CA
TI Regulation of epidermal expression of keratin K17 in inflammatory **skin** diseases
AU Komine, Mayumi; Freedberg, Irwin M.; Blumenberg, Miroslav
CS Kaplan Comprehensive Cancer Center, New York University, New York, NY, 10016, USA
SO Journal of Investigative Dermatology (1996), 107(4), 569-575
CODEN: JIDEAE; ISSN: 0022-202X
PB Blackwell
DT Journal
LA English

L52 ANSWER 111 OF 127 CA COPYRIGHT 2003 ACS on STN
AN 125:266006 CA
TI Use of protein kinase inhibitors in preventing multidrug resistance in cancer cells
IN Chaudhary, Preet; Shtil, Alexander A.; Roninson, Igor B.

PA Board of Trustees of the University of Illinois, USA
SO PCT Int. Appl., 75 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9625949	A1	19960829	WO 1996-US422	19960111
	W: CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 5972598	A	19991026	US 1995-370724	19950110
	EP 804240	A1	19971105	EP 1996-903458	19960111
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE				
	JP 10512277	T2	19981124	JP 1996-522483	19960111
	US 6171786	B1	20010109	US 1996-659877	19960607
PRAI	US 1995-370724	A	19950110		
	US 1992-947659	B2	19920918		
	WO 1996-US422	W	19960111		

L52 ANSWER 112 OF 127 CA COPYRIGHT 2003 ACS on STN
AN 124:241803 CA
TI **Skin**-conditioning compositions containing isoflavone
IN Brunke, Reinhold A.
PA New Standard Gmbh, Germany
SO Ger. Offen., 4 pp.
CODEN: GWXXBX

DT Patent
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4432947	A1	19960321	DE 1994-4432947	19940916
	DE 4432947	C2	19980409		
PRAI	DE 1994-4432947		19940916		

L52 ANSWER 113 OF 127 CA COPYRIGHT 2003 ACS on STN
AN 124:174519 CA
TI Effect of dietary genistein on antioxidant enzyme activities in SENCAR mice
AU Cai, Qiuyin; Wei, Huachen
CS Dep. Pharmacology Toxicology, Univ. Alabama, Birmingham, Birmingham, AL, 35294-0008, USA
SO Nutrition and Cancer (1996), 25(1), 1-7
CODEN: NUCADQ; ISSN: 0163-5581
PB Lawrence Erlbaum Associates, Inc.
DT Journal
LA English

L52 ANSWER 114 OF 127 CA COPYRIGHT 2003 ACS on STN
AN 124:135017 CA
TI Inhibitory effect of genistein on a tumor promoter-induced c-fos and c-jun expression in mouse **skin**
AU Wei, Huachen; Barnes, Stephen; Wang, Yan
CS Dep. Dermatology, Mount Sianai Sch. Medicine, New York, NY, 10029, USA
SO Oncology Reports (1996), 3(1), 125-8
CODEN: OCRPEW; ISSN: 1021-335X
PB National Hellenic Research Foundation
DT Journal
LA English

L52 ANSWER 115 OF 127 CA COPYRIGHT 2003 ACS on STN

AN 124:7638 CA
 TI Plant Flavonoids, Especially Tea Flavonols, Are Powerful Antioxidants
 Using an in Vitro Oxidation Model for Heart Disease
 AU Vinson, Joe A.; Dabbagh, Yousef A.; Serry, Mamdouh M.; Jang, Jinhee
 CS Department of Chemistry, University of Scranton, Scranton, DE, 18510, USA
 SO Journal of Agricultural and Food Chemistry (1995), 43(11), 2800-2
 CODEN: JAFCAU; ISSN: 0021-8561
 PB American Chemical Society
 DT Journal
 LA English

L52 ANSWER 116 OF 127 CA COPYRIGHT 2003 ACS on STN
 AN 123:306842 CA
 TI Inhibition of 5.alpha.-reductase in genital **skin** fibroblasts and
 prostate tissue by dietary lignans and isoflavonoids
 AU Evans, B. A. J.; Griffiths, K.; Morton, M. S.
 CS Dep. Child Health, Univ. Wales College Medicine, Cardiff, CF4 4XN, UK
 SO Journal of Endocrinology (1995), 147(2), 295-302
 CODEN: JOENAK; ISSN: 0022-0795
 PB Journal of Endocrinology
 DT Journal
 LA English

L52 ANSWER 117 OF 127 CA COPYRIGHT 2003 ACS on STN
 AN 122:281655 CA
 TI Preclinical efficacy evaluation of potential chemopreventive agents in
 animal carcinogenesis models: methods and results from the NCI
 Chemoprevention Drug Development Program
 AU Steele, Vernon E.; Moon, Richard C.; Lubet, Ronald A.; Grubbs, Clinton J.;
 Reddy, Bandaru S.; Wargovich, Michael; McCormick, David L.; Pereira,
 Michael A.; Crowell, James A.; et al.
 CS DCPC, National Institutes of Health, Bethesda, MD, 20892, USA
 SO Journal of Cellular Biochemistry (1994), (Suppl. 20), 32-54
 CODEN: JCEBD5; ISSN: 0730-2312
 PB Wiley-Liss
 DT Journal
 LA English

L52 ANSWER 118 OF 127 CA COPYRIGHT 2003 ACS on STN
 AN 122:186292 CA
 TI Effect of genistein on in vitro and in vivo models of cancer
 AU Barnes, Stephen
 CS Dep. Pharm. Biochem., Univ. Alabama Birmingham, Birmingham, AL, 35294, USA
 SO Journal of Nutrition (1995), 125(3S), 777S-83S
 CODEN: JONUAI; ISSN: 0022-3166
 PB American Institute of Nutrition
 DT Journal
 LA English

L52 ANSWER 119 OF 127 CA COPYRIGHT 2003 ACS on STN
 AN 122:96450 CA
 TI Antioxidant and antipromotional effects of the soybean isoflavone
 genistein
 AU Wei, Huachen; Bowen, Ronald; Cai, Qiuyin; Barnes, Stephen; Wang, Yan
 CS Dep. Environmental Health Sciences, Univ. Alabama, Birmingham, AL, 35294,
 USA
 SO Proceedings of the Society for Experimental Biology and Medicine (1995),
 208(1), 124-30
 CODEN: PSEBAA; ISSN: 0037-9727
 PB Blackwell
 DT Journal
 LA English

L52 ANSWER 120 OF 127 CA COPYRIGHT 2003 ACS on STN
 AN 120:307102 CA
 TI Stable **skin**-lightening and inflammation-inhibiting cosmetics
 containing flavanones, flavanonols, isoflavones, or pterocarpanes
 IN Oka, Munekyo; Kawaguchi, Shigetaka; Monobe, Akio; Fukunaga, Iwao
 PA Nonogawa Shoji Yk, Japan
 SO Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKXXAF

DT Patent
 LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06016531	A2	19940125	JP 1992-200354	19920702
	JP 3241440	B2	20011225		
PRAI	JP 1992-200354		19920702		
OS	MARPAT 120:307102				

L52 ANSWER 121 OF 127 CA COPYRIGHT 2003 ACS on STN
 AN 120:156074 CA
 TI Genistein inhibits calcium release by platelet-derived growth factor but
 not bradykinin or cadmium in human fibroblasts
 AU Lyu, Rong Ming; Smith, Jeffrey Bingham
 CS Sch. Med. Dent., Univ. Alabama, Birmingham, AL, 35294, USA
 SO Cell Biology and Toxicology (1993), 9(2), 141-8
 CODEN: CBTOE2; ISSN: 0742-2091
 DT Journal
 LA English

L52 ANSWER 122 OF 127 CA COPYRIGHT 2003 ACS on STN
 AN 119:216833 CA
 TI Inhibition of tumor promoter-induced hydrogen peroxide formation in vitro
 and in vivo by genistein
 AU Wei, Huachen; Wei, Lihong; Frenkel, Krystyna; Bowen, Ronald; Barnes,
 Stephen
 CS Dep. Environ. Health Sci., Univ. Alabama, Birmingham, AL, 35294, USA
 SO Nutrition and Cancer (1993), 20(1), 1-12
 CODEN: NUCADQ; ISSN: 0163-5581
 DT Journal
 LA English

L52 ANSWER 123 OF 127 CA COPYRIGHT 2003 ACS on STN
 AN 111:224819 CA
 TI Studies on inhibitors of **skin** tumor promotion (V). Inhibitory
 effects of flavonoids of Epstein-Barr virus activation. II
 AU Konoshima, Takao; Takasaki, Midori; Kozuka, Mutsuo; Inada, Akira;
 Nakanishi, Tsutomu; Tokuda, Harukuni; Matsumoto, Takeshi
 CS Kyoto Pharm. Univ., Kyoto, 607, Japan
 SO Shoyakugaku Zasshi (1989), 43(2), 135-41
 CODEN: SHZAAAY; ISSN: 0037-4377
 DT Journal
 LA English

L52 ANSWER 124 OF 127 CA COPYRIGHT 2003 ACS on STN
 AN 108:143461 CA
 TI Antibacterial flavone compounds and their activities against
 Staphylococcus
 IN Nishino, Chikao; Kobayashi, Koji
 PA Mitsubishi Chemical Industries Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 2 pp.
 CODEN: JKXXAF

DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 62145016	A2	19870629	JP 1985-284584	19851218
PRAI	JP 1985-284584		19851218		

L52 ANSWER 125 OF 127 CA COPYRIGHT 2003 ACS on STN
AN 107:19887 CA
TI Genistein, a specific inhibitor of tyrosine-specific protein kinases
AU Akiyama, Tetsu; Ishida, Junko; Nakagawa, Suguru; Ogawara, Hiroshi;
Watanabe, Shunichi; Itoh, Noriki; Shibuya, Masabumi; Fukami, Yasuo
CS Dep. Biochem., Meiji Coll. Pharm., Tokyo, 154, Japan
SO Journal of Biological Chemistry (1987), 262(12), 5592-5
CODEN: JBCHA3; ISSN: 0021-9258
DT Journal
LA English

L52 ANSWER 126 OF 127 CA COPYRIGHT 2003 ACS on STN
AN 103:128809 CA
TI Cosmetics containing 5-hydroxyisoflavones
PA Sansei Pharmaceutical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 3 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 60061513	A2	19850409	JP 1983-170192	19830914
PRAI	JP 1983-170192		19830914		

L52 ANSWER 127 OF 127 CA COPYRIGHT 2003 ACS on STN
AN 62:46475 CA
OREF 62:8273g-h,8274a
TI Effect on capillary permeability of various types of flavonoids
AU Paris, R.; Moury, J.
CS Fac. Pharm., Paris
SO Ann. Pharm. Franc. (1964), 22(8-9), 489-93
DT Journal
LA French

=> d his

(FILE 'HOME' ENTERED AT 15:31:51 ON 04 AUG 2003)

FILE 'REGISTRY' ENTERED AT 15:32:03 ON 04 AUG 2003

L1	75 S FARNESOL
L2	1 S HEXANOYL SPHINGOSINE
L3	0 S OLEOYL BETAINE
L4	55 S URSOLIC ACID
L5	165 S IONONE
L6	0 S UTRECT-2
L7	1 S UTRECHT 2
L8	5 S BIFONAZOLE
L9	6 S CLOTRIMAZOLE
L10	5 S KETOCONAZOLE
L11	15 S MICONAZOLE
L12	0 S DAIZEDEIN
L13	51 S DAIDZEIN

L14 75 S GENISTEIN
 L15 0 S PHYTOESTRAGEN
 E PHYTOESTROGEN
 L16 3 S E3

FILE 'CA' ENTERED AT 15:42:33 ON 04 AUG 2003

L17 10486 S RETINOL
 L18 0 S GLUTAMASE TRANSAMINASE
 L19 189 S GLUTAMATE TRANSAMINASE
 L20 0 S L19 AND L17
 L21 19649 S TRANSAMINASE
 L22 24 S L21 AND L17
 E DERMAL
 L23 11755 S E3-E11
 L24 3285 S L1
 E PHYTOESTROGEN
 L25 1454 S E3-E8
 L26 1 S L25 AND L23
 E SKIN
 L27 184746 S E3
 L28 22 S L27 AND L25
 L29 0 S RESVESEROL
 L30 1408 S RESVERATROL
 L31 4 S L30 AND L23
 L32 0 S L24 AND L30
 E FUNGUS
 L33 40001 S E3
 L34 21 S L33 AND L30
 L35 2462 S L13
 L36 3825 S L14
 L37 2384 S L10
 L38 1454 S L9
 L39 2 S L38 AND L35
 L40 47 S L35 AND L33
 L41 11 S L17 AND L33
 L42 28516 S VITAMIN A
 L43 26 S L42 AND L33
 L44 24 S L43 NOT L41
 L45 38 S L24 AND L33
 L46 43 S L38 AND L33
 L47 76 S L37 AND L33
 L48 21 S L47 AND L46
 L49 370 S HYDROXY QUINOLINE
 L50 1 S L49 AND L33
 L51 113 S L24 AND L27
 L52 127 S L36 AND L27

=> s s 135 and 127

MISSING OPERATOR S L35

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s 135 andl27

MISSING OPERATOR L35 ANDL27

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s 135 and 127

L53 82 L35 AND L27

=> d 153 60-82

L53 ANSWER 60 OF 82 CA COPYRIGHT 2003 ACS on STN

AN 133:94311 CA

TI Cosmetic or dermatological composition containing an active principle stimulating HSP 32 protein synthesis in the **skin**

IN Nizard, Carine; Moreau, Marielle; Bonte, Frederic

PA Parfums Christian Dior, Fr.

SO PCT Int. Appl., 19 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000040215	A1	20000713	WO 1999-FR3310	19991229
	W: JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	FR 2787996	A1	20000707	FR 1998-16641	19981230
	FR 2787996	B1	20020510		
	EP 1140000	A1	20011010	EP 1999-964734	19991229
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRAI	FR 1998-16641	A	19981230		
	WO 1999-FR3310	W	19991229		

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 61 OF 82 CA COPYRIGHT 2003 ACS on STN

AN 132:227170 CA

TI Method and compositions for reducing dermatological aging and for reducing bruising

IN Duraiswami, Chaya; Simpson, Susan E.; Garrison, Mark S.; Martin, Dennis M.; Bloom, Roberta C.

PA Avon Products, Inc., USA

SO PCT Int. Appl., 28 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000013661	A1	20000316	WO 1999-US20854	19990910
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2309179	AA	20000316	CA 1999-2309179	19990910
	AU 9960345	A1	20000327	AU 1999-60345	19990910
	BR 9906998	A	20000926	BR 1999-6998	19990910
	EP 1041964	A1	20001011	EP 1999-968624	19990910
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	MX 200004471	A	20001110	MX 2000-4471	20000509
PRAI	US 1998-99698P	P	19980910		
	WO 1999-US20854	W	19990910		

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 62 OF 82 CA COPYRIGHT 2003 ACS on STN

AN 131:120612 CA

TI Compositions and method for protecting **skin** from UV-induced immunosuppression and **skin** damage

IN Kelly, Graham Edmund; Husband, Alan James

PA Novogen Research Pty. Ltd., Australia

SO PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9936050	A1	19990722	WO 1998-AU1054	19981221
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	CA 2316349	AA	19990722	CA 1998-2316349	19981221
	AU 9916518	A1	19990802	AU 1999-16518	19981221
	AU 750031	B2	20020711		
	EP 1049451	A1	20001108	EP 1998-960911	19981221
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
	NZ 505377	A	20030530	NZ 1998-505377	19981221
	SE 2000002286	A	20000821	SE 2000-2286	20000619
	NO 2000003201	A	20000822	NO 2000-3201	20000620
	US 6455032	B1	20020924	US 2000-582317	20000623
	US 2003059384	A1	20030327	US 2002-212847	20020805
PRAI	AU 1997-1124	A	19971224		
	WO 1998-AU1054	W	19981221		
	US 2000-582317	A1	20000623		

OS MARPAT 131:120612

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 63 OF 82 CA COPYRIGHT 2003 ACS on STN

AN 131:111451 CA

TI Compounds that induce or activate androgen conjugation for modulation of hair growth

IN Styczynski, Peter; Ahluwalia, Gurpreet S.

PA The Gillette Company, USA

SO PCT Int. Appl., 19 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9936067	A1	19990722	WO 1999-US1093	19990119
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,			

FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 5958946	A	19990928	US 1998-9213	19980120
CA 2320160	AA	19990722	CA 1999-2320160	19990119
AU 9923266	A1	19990802	AU 1999-23266	19990119
AU 758588	B2	20030327		
EP 1047420	A1	20001102	EP 1999-903183	19990119
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
BR 9907090	A	20010904	BR 1999-7090	19990119
PRAI US 1998-9213	A	19980120		
WO 1999-US1093	W	19990119		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 64 OF 82 CA COPYRIGHT 2003 ACS on STN
AN 130:332910 CA
TI Methods and compositions for regulation of 5-alpha reductase activity
IN Liao, Shutsung; Hiipakka, Richard A.
PA Arch Development Corporation, USA
SO PCT Int. Appl., 48 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9922728	A1	19990514	WO 1998-US23041	19981030
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9912898	A1	19990524	AU 1999-12898	19981030
	EP 1027045	A1	20000816	EP 1998-956358	19981030
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, SE, PT, IE				
	US 6576660	B1	20030610	US 2000-530443	20000428
	US 2003105030	A1	20030605	US 2002-132050	20020424
	US 2003144346	A1	20030731	US 2002-294331	20021114
PRAI	US 1997-63770P	P	19971031		
	WO 1998-US23041	W	19981030		
	US 2000-530443	A2	20000428		

OS MARPAT 130:332910

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 65 OF 82 CA COPYRIGHT 2003 ACS on STN
AN 130:295991 CA
TI Antioxidant property of dietary phenolic agents in a human LDL-oxidation ex vivo model: interaction of protein binding activity
AU Wang, Weiqun; Goodman, Marc T.
CS Cancer Research Center, University of Hawaii, Honolulu, HI, 96813, USA
SO Nutrition Research (New York) (1999), 19(2), 191-202
CODEN: NTRSDC; ISSN: 0271-5317
PB Elsevier Science Inc.
DT Journal
LA English

RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 66 OF 82 CA COPYRIGHT 2003 ACS on STN

AN 130:287063 CA

TI Method of preparing and using phytochemicals

IN Empie, Mark; Gugger, Eric

PA Archer Daniels Midland Company, USA

SO Eur. Pat. Appl., 12 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 6

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 906761	A2	19990407	EP 1998-308060	19981002
	EP 906761	A3	19990519		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	US 6261565	B1	20010717	US 1998-162038	19980928
	ZA 9808962	A	19990913	ZA 1998-8962	19981001
PRAI	US 1997-60549P	P	19971002		
	US 1998-162038	P	19980928		
	US 1996-614545	A3	19960313		
	US 1997-868629	A2	19970604		
	US 1998-35588	A2	19980305		

L53 ANSWER 67 OF 82 CA COPYRIGHT 2003 ACS on STN

AN 130:57023 CA

TI Isoflavonoids for treatment and prevention of aging skin and wrinkles

IN Gorbach, Sherwood L.

PA USA

SO PCT Int. Appl., 10 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9856373	A1	19981217	WO 1998-US10605	19980526
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	US 6060070	A	20000509	US 1997-873314	19970611
	AU 9876942	A1	19981230	AU 1998-76942	19980526
	EP 998262	A1	20000510	EP 1998-924873	19980526
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2002511860	T2	20020416	JP 1999-502523	19980526
PRAI	US 1997-873314	A	19970611		
	WO 1998-US10605	W	19980526		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 68 OF 82 CA COPYRIGHT 2003 ACS on STN

AN 129:140679 CA

TI Oral compositions containing body fluid function ameliorators for therapeutic use

IN Kosuga, Masaki; Kosuga, Takuo; Fukushima, Makoto; Inaoka, Yasunori; Okuda,

Takehiro
PA Doctor's Cosmetics Y. K., Japan; Pola Chemical Industries, Inc.
SO Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 10175860	A2	19980630	JP 1997-260525	19970925
PRAI	JP 1996-272722		19961015		
OS	MARPAT 129:140679				

L53 ANSWER 69 OF 82 CA COPYRIGHT 2003 ACS on STN
AN 129:140678 CA
TI Topical compositions containing body fluid function ameliorators or
promoters for therapeutic use
IN Kosuga, Masaki; Kosuga, Takao; Ando, Nobuhiro; Muramatsu, Nobue; Kawai,
Michio
PA Doctors Cosmetics Y. K., Japan; Pola Chemical Industries, Inc.
SO Jpn. Kokai Tokkyo Koho, 12 pp.
CODEN: JKXXAF

DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 10175859	A2	19980630	JP 1997-260526	19970925
PRAI	JP 1996-276654		19961018		
OS	MARPAT 129:140678				

L53 ANSWER 70 OF 82 CA COPYRIGHT 2003 ACS on STN
AN 128:280806 CA
TI Phenolic fatty-acid esters from the peel of 'Gala' apples and their
possible role in resistance to superficial scald
AU Whitaker, Bruce D.
CS Agricultural Research Service, U.S. Department of Agriculture, Beltsville
Agricultural Research Center, 10300 Baltimore Avenue, Beltsville, MD,
20705-2350, USA
SO Postharvest Biology and Technology (1998), 13(1), 1-10
CODEN: PBTEED; ISSN: 0925-5214
PB Elsevier Science Ireland Ltd.
DT Journal
LA English

RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 71 OF 82 CA COPYRIGHT 2003 ACS on STN
AN 128:204349 CA
TI Inhibitory effect of soybean hypocotyls on Epstein-Barr virus early
antigen induction and skin tumor promotion
AU Zaizen, Yukihiro; Tokuda, Harukuni; Nishino, Hoyoku; Takeshita, Masazumi
CS Department of Biochemistry, Oita Medical University, Oita, 879-55, Japan
SO Daizu Tanpakushitsu Kenkyukai Kaishi (1997), 18, 125-129
CODEN: DTKKEE; ISSN: 0919-9535
PB Daizu Tanpakushitsu Kenkyukai
DT Journal
LA Japanese

L53 ANSWER 72 OF 82 CA COPYRIGHT 2003 ACS on STN
AN 128:84165 CA
TI Inhibitory effect of soybean hypocotyls on Epstein-Barr virus early

antigen induction and **skin** tumor promotion
AU Zaizen, Yukihiro; Tokuda, Harukuni; Nishino, Hoyoku; Takeshita, Masazumi
CS Dep. Biochem., Oita Med. Univ., Oita, 879-55, Japan
SO Cancer Letters (Shannon, Ireland) (1997), 121(1), 53-57
CODEN: CALEDQ; ISSN: 0304-3835
PB Elsevier Science Ireland Ltd.
DT Journal
LA English

RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 73 OF 82 CA COPYRIGHT 2003 ACS on STN
AN 127:171571 CA
TI Anti-lipid peroxidation [effect] of a Chinese medicine on human
keratinocytes and rat liver homogenates
AU Yang, Ling-Ling; Tsai, Gwo-Chyuan; Lin, Hung-Ya; Yeh, Shauh-Der
CS Taipei Med. Coll., Dep. Pathol., Taipei Med. Coll., Grad. Inst.
Pharmacognosy Sci., Taipei, Taiwan
SO Scientific Conference of the Asian Societies of Cosmetic Scientists, 3rd,
Taipei, May 23-24, 1997 (1997), 55-59 Publisher: Asian Societies of
Cosmetic Scientists, Taichung, Taiwan.
CODEN: 64XSAZ
DT Conference
LA English

L53 ANSWER 74 OF 82 CA COPYRIGHT 2003 ACS on STN
AN 126:207142 CA
TI In vitro antitumor activity of flavonoids from Sophora flavescens
AU Ryu, Shi Yong; Choi, Sang Un; Kim, Seong-Kie; No, Zaesung; Lee, Chong Ock;
Ahn, Jong Woong; Kim, Sung Hoon
CS Korea Research Institute of Chemical Technology, Taejeon, 305-606, Greece
SO Phytotherapy Research (1997), 11(1), 51-53
CODEN: PHYREH; ISSN: 0951-418X
PB Wiley
DT Journal
LA English

L53 ANSWER 75 OF 82 CA COPYRIGHT 2003 ACS on STN
AN 126:162242 CA
TI Compositions and method of treating cardio-, cerebro-vascular and
Alzheimer's diseases and depression
IN Tashiro, Renki; Pater, Ruth H.
PA Tashiro, Renki, Japan; Pater, Ruth H.
SO U.S., 22 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 5589182	A	19961231	US 1993-161350	19931206
PRAI	US 1993-161350		19931206		

L53 ANSWER 76 OF 82 CA COPYRIGHT 2003 ACS on STN
AN 124:241803 CA
TI **Skin**-conditioning compositions containing isoflavone
IN Brunke, Reinhold A.
PA New Standard Gmbh, Germany
SO Ger. Offen., 4 pp.
CODEN: GWXXBX
DT Patent
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4432947	A1	19960321	DE 1994-4432947	19940916
	DE 4432947	C2	19980409		
PRAI	DE 1994-4432947		19940916		

L53 ANSWER 77 OF 82 CA COPYRIGHT 2003 ACS on STN

AN 123:306842 CA

TI Inhibition of 5.alpha.-reductase in genital **skin** fibroblasts and prostate tissue by dietary lignans and isoflavonoids

AU Evans, B. A. J.; Griffiths, K.; Morton, M. S.

CS Dep. Child Health, Univ. Wales College Medicine, Cardiff, CF4 4XN, UK

SO Journal of Endocrinology (1995), 147(2), 295-302

CODEN: JOENAK; ISSN: 0022-0795

PB Journal of Endocrinology

DT Journal

LA English

L53 ANSWER 78 OF 82 CA COPYRIGHT 2003 ACS on STN

AN 122:96450 CA

TI Antioxidant and antipromotional effects of the soybean isoflavone genistein

AU Wei, Huachen; Bowen, Ronald; Cai, Qiuyin; Barnes, Stephen; Wang, Yan

CS Dep. Environmental Health Sciences, Univ. Alabama, Birmingham, AL, 35294, USA

SO Proceedings of the Society for Experimental Biology and Medicine (1995), 208(1), 124-30

CODEN: PSEBAA; ISSN: 0037-9727

PB Blackwell

DT Journal

LA English

L53 ANSWER 79 OF 82 CA COPYRIGHT 2003 ACS on STN

AN 111:224819 CA

TI Studies on inhibitors of **skin** tumor promotion (V). Inhibitory effects of flavonoids of Epstein-Barr virus activation. II

AU Konoshima, Takao; Takasaki, Midori; Kozuka, Mutsuo; Inada, Akira; Nakanishi, Tsutomu; Tokuda, Harukuni; Matsumoto, Takeshi

CS Kyoto Pharm. Univ., Kyoto, 607, Japan

SO Shoyakugaku Zasshi (1989), 43(2), 135-41

CODEN: SHZAA; ISSN: 0037-4377

DT Journal

LA English

L53 ANSWER 80 OF 82 CA COPYRIGHT 2003 ACS on STN

AN 110:128105 CA

TI Studies on inhibitors of **skin** tumor promotion. III. Inhibitory effects of isoflavonoids from Wisteria brachybotrys on Epstein-Barr virus activation

AU Konoshima, Takao; Okamoto, Emiko; Kozuka, Mutsuo; Nishino, Hoyoku; Tokuda, Harukuni

CS Kyoto Pharm. Univ., Kyoto, 607, Japan

SO Journal of Natural Products (1988), 51(6), 1270-4

CODEN: JNPRDF; ISSN: 0163-3864

DT Journal

LA English

L53 ANSWER 81 OF 82 CA COPYRIGHT 2003 ACS on STN

AN 107:19887 CA

TI Genistein, a specific inhibitor of tyrosine-specific protein kinases

AU Akiyama, Tetsu; Ishida, Junko; Nakagawa, Suguru; Ogawara, Hiroshi;

Watanabe, Shunichi; Itoh, Noriki; Shibuya, Masabumi; Fukami, Yasuo
CS Dep. Biochem., Meiji Coll. Pharm., Tokyo, 154, Japan
SO Journal of Biological Chemistry (1987), 262(12), 5592-5
CODEN: JBCHA3; ISSN: 0021-9258
DT Journal
LA English

L53 ANSWER 82 OF 82 CA COPYRIGHT 2003 ACS on STN
AN 106:9262 CA
TI Chemical constituents of Tibetan Quijian Jinjier (*Caragana jubata*)
AU Wang, Yulan; Chen, Weiming; Li, Guangyi
CS Inst. Mater. Med., Chinese Acad. Med. Sci., Beijing, Peop. Rep. China
SO Zhongcaoyao (1986), 17(8), 344-6
CODEN: CTYAD8; ISSN: 0253-2670
DT Journal
LA Chinese

=> s 138 and 127

L54 241 L38 AND L27

=> d 154 200-241

L54 ANSWER 200 OF 241 CA COPYRIGHT 2003 ACS on STN
AN 106:12434 CA
TI Comparative studies on **skin** safety evaluation of tinctures of
oxiconazole nitrate and other imidazole derivatives by patch tests
AU Ishihara, Masaru
CS Sch. Med., Toho Univ., Japan
SO Yakuri to Chiryo (1973-2000) (1985), 13(11), 6677-83
CODEN: YACHDS; ISSN: 0386-3603
DT Journal
LA Japanese

L54 ANSWER 201 OF 241 CA COPYRIGHT 2003 ACS on STN
AN 106:216 CA
TI Antifungal activity of new azoles
AU Van Cutsem, J.; Janssen, P. A. J.
CS Janssen Pharm., Beerse, Belg.
SO Recent Adv. Chemother., Proc. Int. Congr. Chemother., 14th (1985), Issue
Antimicrobial Sect. 3, 1942-3. Editor(s): Ishigami, Joji. Publisher:
Univ. Tokyo Press, Tokyo, Japan.
CODEN: 55GNAX
DT Conference
LA English

L54 ANSWER 202 OF 241 CA COPYRIGHT 2003 ACS on STN
AN 105:205181 CA
TI The biological role of keratinolytic proteinase (KPase) and its inhibitor
on the growth of *Candida albicans*
AU Tsuboi, Ryoji; Kurita, Yoriyuki; Iwahara, Kunio; Hirotsu, Tetsuya;
Matsuda, Kazuko; Negi, Makoto; Ogawa, Hideoki
CS Sch. Med., Juntendo Univ., Tokyo, Japan
SO Biol. Role Proteinases Their Inhib. Skin, [Proc. Int. Symp.], 1st (1986),
Meeting Date 1984, 161-73. Editor(s): Ogawa, Hideoki; Lazarus, Gerald S.;
Hopsu-Havu, Vaino K. Publisher: Elsevier, New York, N. Y.
CODEN: 55ETA7
DT Conference
LA English

L54 ANSWER 203 OF 241 CA COPYRIGHT 2003 ACS on STN
AN 105:102623 CA

TI Antimycotic gel preparations
 IN Uehara, Minehiko; Ohara, Yoshishige; Hattori, Toshiyuki; Nishioka, Takaaki; Hata, Hiroko
 PA Bayer A.-G. , Fed. Rep. Ger.
 SO Eur. Pat. Appl., 26 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 186055	A2	19860702	EP 1985-115830	19851212
	EP 186055	A3	19870722		
	EP 186055	B1	19900725		
	R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE				
	JP 61151117	A2	19860709	JP 1984-271890	19841225
	JP 04021646	B4	19920413		
	AT 54825	E	19900815	AT 1985-115830	19851212
	ES 550345	A1	19861216	ES 1985-550345	19851223
	CA 1261756	A1	19890926	CA 1985-498430	19851223
PRAI	JP 1984-271890		19841225		
	EP 1985-115830		19851212		

L54 ANSWER 204 OF 241 CA COPYRIGHT 2003 ACS on STN
 AN 104:95515 CA
 TI Topical antifungal formulations containing film-forming resins
 IN Suzuki, Shigeki
 PA Terumo Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 60228412	A2	19851113	JP 1984-83867	19840427
	JP 04025930	B4	19920506		
PRAI	JP 1984-83867		19840427		

L54 ANSWER 205 OF 241 CA COPYRIGHT 2003 ACS on STN
 AN 104:45379 CA
 TI Effects of cell-wall active antifungal agent, aculeacin A, on cutaneous Candida infections in mice
 AU Boyer, J. M.; Mehta, R. J.
 CS Philadelphia Coll. Osteopathic Med., Philadelphia, PA, 19131, USA
 SO Developments in Industrial Microbiology Series (1984), 25, 679-81
 CODEN: DIMCAL; ISSN: 0070-4563
 DT Journal
 LA English

L54 ANSWER 206 OF 241 CA COPYRIGHT 2003 ACS on STN
 AN 104:10611 CA
 TI Sustained-release, topical compositions containing polyoxyethylene castor oil ether and sorbitan esters as dispersion bases
 IN Kojima, Nobuo; Yoshikawa, Masaru; Yanagibashi, Norio; Abe, Miyuki; Fukuda, Hidenori; Toda, Haruhiko
 PA Lion Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 60149531	A2	19850807	JP 1984-5643	19840118
	JP 04055165	B4	19920902		
PRAI	JP 1984-5643		19840118		
L54	ANSWER 207 OF 241 CA COPYRIGHT 2003 ACS on STN				
AN	103:200777 CA				
TI	Percutaneous absorption, distribution and excretion of tioconazole cream in rats and swine				
AU	Enogaki, Kazunori; Tatematsu, Hiroshi; Yoshida, Kimiko; Ito, Masami; Shimooka, Kino; Oki, Toshikazu				
CS	Nagoya R. and D. Lab., Pfizer-Taito Co. Ltd., Aichi, 470-23, Japan				
SO	Iyakuhin Kenkyu (1985), 16(4), 759-68 CODEN: IYKEDH; ISSN: 0287-0894				
DT	Journal				
LA	Japanese				
L54	ANSWER 208 OF 241 CA COPYRIGHT 2003 ACS on STN				
AN	103:98368 CA				
TI	Assessment of in vivo activity of bifonazole against dermatophytic infection in guinea pigs on the basis of the amount of a specific fungal cell wall component chitin in the infected skin				
AU	Uchida, K.; Yamaguchi, H.				
CS	Sch. Med., Teikyo Univ., Tokyo, 192-03, Japan				
SO	Dermatologica, Supplementum (1984), 169(1, Int. Symp. Bifonazole), 47-9 CODEN: DMTSBV; ISSN: 0366-9394				
DT	Journal				
LA	English				
L54	ANSWER 209 OF 241 CA COPYRIGHT 2003 ACS on STN				
AN	103:47851 CA				
TI	Studies on antifungal activity of ketoconazole (KW-1414). V. Therapeutic effects of ketoconazole cream on experimental dermatomycosis in guinea pigs				
AU	Minagawa, Harushige; Kitaura, Kozo; Okachi, Ryo; Nakamizo, Nobuhiro				
CS	Pharm. Res. Lab., Kyowa Hakko Kogyo Co., Ltd., Nagaizumi, 411, Japan				
SO	Shinkin to Shinkinsho (1984), 25(4), 358-62 CODEN: SHSHBL; ISSN: 0583-0516				
DT	Journal				
LA	Japanese				
L54	ANSWER 210 OF 241 CA COPYRIGHT 2003 ACS on STN				
AN	102:119639 CA				
TI	Antimycotic imidazoles with improved bioavailability for gynecological treatment				
IN	Von Bittera, Miklos; Buechel, Karl Heinz; Plempel, Manfred; Regel, Erik				
PA	Bayer A.-G., Fed. Rep. Ger.				
SO	Ger. Offen., 15 pp. CODEN: GWXXBX				
DT	Patent				
LA	German				

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3321043	A1	19841213	DE 1983-3321043	19830610
	EP 128459	A2	19841219	EP 1984-106152	19840530
	EP 128459	A3	19860709		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AU	8428936	A1	19841213	AU 1984-28936	19840601
AU	579102	B2	19881117		
JP	60016919	A2	19850128	JP 1984-115610	19840607

	IL 72052	A1	19880731	IL 1984-72052	19840607
	DK 8402849	A	19841211	DK 1984-2849	19840608
	ZA 8404349	A	19850227	ZA 1984-4349	19840608
	CA 1229046	A1	19871110	CA 1984-456237	19840608
PRAI	IL 1980-60803		19800808		
	DE 1983-3321043		19830610		

L54 ANSWER 211 OF 241 CA COPYRIGHT 2003 ACS on STN

AN 102:3111 CA

TI Comparison of the in vitro antifungal activities of clotrimazole, miconazole, econazole and exalamide against clinical isolates of dermatophytes

AU Kusunoki, Toshio; Harada, Seiichi

CS 2nd. Hosp., Nippon Med. Sch., Kawasaki, Japan

SO Journal of Dermatology (1984), 11(3), 277-81

CODEN: JDMYAG; ISSN: 0385-2407

DT Journal

LA English

L54 ANSWER 212 OF 241 CA COPYRIGHT 2003 ACS on STN

AN 101:183620 CA

TI Clotrimazole, an inhibitor of epidermal benzo(a)pyrene metabolism and DNA binding and carcinogenicity of the hydrocarbon

AU Mukhtar, Hasan; Del Tito, Benjamin J., Jr.; Das, Mukul; Cherniack, Evan P.; Cherniack, Andrew D.; Bickers, David R.

CS Dep. Dermatol., Case West. Reserve Univ., Cleveland, OH, 44106, USA

SO Cancer Research (1984), 44(10), 4233-40

CODEN: CNREA8; ISSN: 0008-5472

DT Journal

LA English

L54 ANSWER 213 OF 241 CA COPYRIGHT 2003 ACS on STN

AN 101:147670 CA

TI Antifungal relative inhibition factors: BAY 1-9139, bifonazole, butoconazole, isoconazole, itraconazole (R 51211), oxiconazole, Ro 14-4767/002, sulconazole, terconazole and vibunazole (BAY n-7133) compared in vitro with nine established antifungal agents

AU Odds, F. C.; Webster, C. E.; Abbott, A. B.

CS Dep. Microbiol., Univ. Leicester, Leicester, LE1 7RH, UK

SO Journal of Antimicrobial Chemotherapy (1984), 14(2), 105-14

CODEN: JACHDX; ISSN: 0305-7453

DT Journal

LA English

L54 ANSWER 214 OF 241 CA COPYRIGHT 2003 ACS on STN

AN 101:126691 CA

TI In vitro antifungal activities of imidazole derivatives

AU Chin, Hong Sang; Lee, Kwang Hoon; Cho, Chung Koo

CS Coll. Med., Yonsei Univ., Seoul, S. Korea

SO Taehan P'ibukwa Hakhoechi (1984), 22(2), 196-205

CODEN: TPKCAW; ISSN: 0494-4739

DT Journal

LA Korean

L54 ANSWER 215 OF 241 CA COPYRIGHT 2003 ACS on STN

AN 101:116737 CA

TI Imidazole antimycotic agent for single-application gynecological treatment

IN Von Bittera, Miklos; Buechel, Karl Heinz; Plempel, Manfred; Regel, Erik

PA Bayer A.-G., Fed. Rep. Ger.

SO Ger. Offen., 16 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3243544	A1	19840530	DE 1982-3243544	19821125
PRAI	DE 1982-3243544		19821125		

L54 ANSWER 216 OF 241 CA COPYRIGHT 2003 ACS on STN

AN 101:3806 CA

TI Comparison of the in vitro antifungal activities of clotrimazole, miconazole, econazole, and exalamide against clinical isolates of dermatophytes

AU Kusunoki, Toshio; Harada, Seiichi

CS Nihon Med. Coll., Tokyo, 113, Japan

SO Nippon Hifuka Gakkai Zasshi (1982), 92(6), 671-5
CODEN: NHKZAD; ISSN: 0300-9939

DT Journal

LA Japanese

L54 ANSWER 217 OF 241 CA COPYRIGHT 2003 ACS on STN

AN 100:99438 CA

TI Relative inhibition factors - a novel approach to the assessment of antifungal antibiotics in vitro

AU Odds, F. C.; Abbott, A. B.

CS Dep. Microbiol., Univ. Leicester, Leicester, LE1 7RH, UK

SO Journal of Antimicrobial Chemotherapy (1984), 13(1), 31-43
CODEN: JACHDX; ISSN: 0305-7453

DT Journal

LA English

L54 ANSWER 218 OF 241 CA COPYRIGHT 2003 ACS on STN

AN 97:188303 CA

TI High-release antimycotic agent in pencil form.

IN Von Bittera, Miklos; Buechel, Karl Heinz; Plempel, Manfred; Regel, Erik

PA Bayer A.-G., Fed. Rep. Ger.

SO Ger. Offen., 17 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3106635	A1	19820909	DE 1981-3106635	19810223
	NO 8200319	A	19820824	NO 1982-319	19820203
	US 4457938	A	19840703	US 1982-346479	19820205
	AU 8280326	A1	19820902	AU 1982-80326	19820210
	EP 58887	A1	19820901	EP 1982-101001	19820211
	EP 58887	B1	19840411		
	R: AT, BE, CH, DE, FR, GB, IT, NL, SE				
	AT 6988	E	19840415	AT 1982-101001	19820211
	FI 8200563	A	19820824	FI 1982-563	19820219
	IL 65057	A1	19850630	IL 1982-65057	19820219
	DK 8200765	A	19820824	DK 1982-765	19820222
	JP 57156413	A2	19820927	JP 1982-26173	19820222
	ZA 8201137	A	19830126	ZA 1982-1137	19820222
	ES 509798	A1	19830201	ES 1982-509798	19820222
	CA 1169770	A1	19840626	CA 1982-396788	19820222
PRAI	DE 1981-3106635		19810223		
	EP 1982-101001		19820211		

L54 ANSWER 219 OF 241 CA COPYRIGHT 2003 ACS on STN

AN 97:150741 CA

TI Antifungal compositions in the form of an elastic film with a high release of the drug
 IN Von Bittera, Miklos; Buechel, Karl Heinz; Plempel, Manfred; Regel, Erik
 PA Bayer A.-G. , Fed. Rep. Ger.
 SO Eur. Pat. Appl., 19 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 55397	A1	19820707	EP 1981-109948	19811127
	EP 55397	B1	19840822		
	R: AT, BE, CH, DE, FR, GB, IT, NL, SE				
	DE 3045914	A1	19820722	DE 1980-3045914	19801205
	NO 8103932	A	19820607	NO 1981-3932	19811119
	AT 9060	E	19840915	AT 1981-109948	19811127
	IL 64436	A1	19850331	IL 1981-64436	19811202
	FI 8103885	A	19820606	FI 1981-3885	19811203
	DK 8105382	A	19820606	DK 1981-5382	19811204
	AU 8178261	A1	19820610	AU 1981-78261	19811204
	AU 546449	B2	19850905		
	JP 57122015	A2	19820729	JP 1981-194673	19811204
	ZA 8108431	A	19821124	ZA 1981-8431	19811204
	CA 1175355	A1	19841002	CA 1981-391480	19811204
PRAI	DE 1980-3045914		19801205		
	EP 1981-109948		19811127		

L54 ANSWER 220 OF 241 CA COPYRIGHT 2003 ACS on STN
 AN 97:3453 CA
 TI In vitro susceptibility of dermatophytes, Candida and other fungi to clotrimazole
 AU Zaror, L.; Otth, L.; Tejero, A.
 CS Fac. Med., Univ. Austral Chile, Valdivia, Chile
 SO Boletin del Instituto de Salud Publica de Chile (1981), 22(1-2), 64-8
 CODEN: BICHDZ; ISSN: 0716-1387
 DT Journal
 LA Spanish

L54 ANSWER 221 OF 241 CA COPYRIGHT 2003 ACS on STN
 AN 95:175653 CA
 TI Release of ciclopyrox olamine from dermatological preparations
 AU Petri, W.
 CS Hoechst A.-G., Frankfurt/Main, D-6230/80, Fed. Rep. Ger.
 SO Arzneimittel-Forschung (1981), 31(8A), 1332-7
 CODEN: ARZNAD; ISSN: 0004-4172
 DT Journal
 LA German

L54 ANSWER 222 OF 241 CA COPYRIGHT 2003 ACS on STN
 AN 95:138532 CA
 TI Penetration and antifungal activity of cyclopyroxolamine in hornified tissue
 AU Dittmar, W.
 CS Hoechst A.-G., Frankfurt/Main, D-6230/80, Fed. Rep. Ger.
 SO Arzneimittel-Forschung (1981), 31(8A), 1353-9
 CODEN: ARZNAD; ISSN: 0004-4172
 DT Journal
 LA German

L54 ANSWER 223 OF 241 CA COPYRIGHT 2003 ACS on STN
 AN 94:20418 CA

TI Clotrimazole fungicidal formulations
PA Sumitomo Chemical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 2 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 55098112	A2	19800725	JP 1979-4185	19790117
PRAI	JP 1979-4185		19790117		

L54 ANSWER 224 OF 241 CA COPYRIGHT 2003 ACS on STN
AN 94:10806 CA
TI Microbiological penetration studies on ciclopirox and imidazole
antimycotics using postmortem skin
AU Dittmar, Walter; Jovic, Nedjeljko
CS Dep. Chemother., Hoechst A.-G., Frankfurt, Fed. Rep. Ger.
SO International Congress Series (1979), Volume Date 1977, 451(Dermatology),
730-2
CODEN: EXMDA4; ISSN: 0531-5131
DT Journal
LA English

L54 ANSWER 225 OF 241 CA COPYRIGHT 2003 ACS on STN
AN 93:215949 CA
TI Herbicolin - a new acylpeptide antibiotic with antifungal activity towards
dermatophytes
AU Winkelmann, G.; Adam, W.
CS Inst. Biol. I, Mikrobiol. I, Univ. Tuebingen, Tuebingen, Fed. Rep. Ger.
SO Mykosen (1980), 23(6), 290-4
CODEN: MYKSAW; ISSN: 0027-5557
DT Journal
LA German

L54 ANSWER 226 OF 241 CA COPYRIGHT 2003 ACS on STN
AN 93:198415 CA
TI Influence of steroids on the antifungal activity of imidazole
AU Hoegl, F.; Raab, W.
CS Med.-Chem. Inst., Univ. Wien, Vienna, Austria
SO Mykosen (1980), 23(8), 426-39
CODEN: MYKSAW; ISSN: 0027-5557
DT Journal
LA German

L54 ANSWER 227 OF 241 CA COPYRIGHT 2003 ACS on STN
AN 93:198392 CA
TI Experimental studies on the antibacterial and antimycotic effects of a
preparation containing nystatin and chlorquinaldol compared with similar
antimicrobial agents
AU Meyer-Rohn, J.; Puschmann, M.
CS Inst. Exp. Dermatol., Alfred-Marchionini-Stiftung, Reinbek/Hamburg, Fed.
Rep. Ger.
SO Mykosen (1980), 23(6), 320-4
CODEN: MYKSAW; ISSN: 0027-5557
DT Journal
LA German

L54 ANSWER 228 OF 241 CA COPYRIGHT 2003 ACS on STN
AN 92:28468 CA
TI A new broad spectrum antimycotic, isoconazole nitrate, in experimental
animal studies

AU Kessler, H. J.; Haude, D.; Schoebel, C.
CS Forschungslab., Schering A.-G., Berlin, Fed. Rep. Ger.
SO Arzneimittel-Forschung (1979), 29(9), 1352-7
CODEN: ARZNAD; ISSN: 0004-4172
DT Journal
LA German

L54 ANSWER 229 OF 241 CA COPYRIGHT 2003 ACS on STN
AN 91:84094 CA
TI Method for determination of antifungal activity in vitro, against a strain
of dermatophyte. I. Fungistatic activity
AU Desvignes, A.; Leluan, G.; Dupeyron, C.
CS Lab. Microbiol., Fac. Pharm., Paris, 75006, Fr.
SO Annales Pharmaceutiques Francaises (1979), 37(1-2), 65-70
CODEN: APFRAD; ISSN: 0003-4509
DT Journal
LA French

L54 ANSWER 230 OF 241 CA COPYRIGHT 2003 ACS on STN
AN 89:174365 CA
TI In vitro sensitivity tests with antimycotic imidazole derivatives and
evaluation of results
AU Hantschke, D.
CS Clin. Dermatol., Univ. Essen, Essen, Fed. Rep. Ger.
SO Mykosen, Supplement (1978), 1(Med. Mycol.), 222-9
CODEN: MYSUDD; ISSN: 0344-7677
DT Journal
LA English

L54 ANSWER 231 OF 241 CA COPYRIGHT 2003 ACS on STN
AN 89:173262 CA
TI Electron capture gas chromatographic assay for miconazole and clotrimazole
in **skin** samples
AU Wallace, S. M.; Shah, V. P.; Riegelman, S.; Epstein, W. L.
CS Sch. Pharm., Univ. California, San Francisco, CA, USA
SO Analytical Letters (1978), B11(6), 461-8
CODEN: ANALBP; ISSN: 0003-2719
DT Journal
LA English

L54 ANSWER 232 OF 241 CA COPYRIGHT 2003 ACS on STN
AN 88:65898 CA
TI Biopharmaceutical study of clotrimazole-14C in ointments
AU Benko, G.; Mayer, A.; Kedvessy, G.
CS State Biol. Hyg. Res. Inst. "Frederic Joliot Curie", Budapest, Hung.
SO Pharmazeutische Industrie (1977), 39(10), 998-1000
CODEN: PHINAN; ISSN: 0031-711X
DT Journal
LA German

L54 ANSWER 233 OF 241 CA COPYRIGHT 2003 ACS on STN
AN 88:32140 CA
TI Topically applied antifungal agents. Percutaneous penetration and
prophylactic activity against Trichophyton mentagrophytes infection
AU Wallace, Sylvia M.; Shah, Vinod P.; Epstein, William L.; Greenberg,
Joseph; Riegelman, Sidney
CS Letterman Army Inst. Res., Univ. California, San Francisco, CA, USA
SO Archives of Dermatology (1977), 113(11), 1539-42
CODEN: ARDEAC; ISSN: 0003-987X
DT Journal
LA English

L54 ANSWER 234 OF 241 CA COPYRIGHT 2003 ACS on STN
 AN 85:137220 CA
 TI Toxicity of antibiotics on cultured human **skin** fibroblasts
 AU Byarugaba, W.; Ruediger, H. W.; Koske-Westphal, Thea; Woehler, W.;
 Passarge, E.
 CS Inst. Hum. Genet., Univ. Hamburg, Hamburg, Fed. Rep. Ger.
 SO Humangenetik (1975), 28(3), 263-7
 CODEN: HUMAA7; ISSN: 0018-7348
 DT Journal
 LA English

L54 ANSWER 235 OF 241 CA COPYRIGHT 2003 ACS on STN
 AN 82:25601 CA
 TI Pharmacokinetics of carbon-14-labeled clotrimazole
 AU Duhm, B.; Maul, W.; Medenwald, H.; Patzschke, K.; Puetter, J.; Wegner, L.
 A.
 CS Res. Lab., Bayer A.-G., Wuppertal-Elberfeld, Fed. Rep. Ger.
 SO Postgraduate Medical Journal, Supplement (1974), 500(1), 13-16
 CODEN: PMESAJ; ISSN: 0370-0593
 DT Journal
 LA English

L54 ANSWER 236 OF 241 CA COPYRIGHT 2003 ACS on STN
 AN 82:11346 CA
 TI Tolerance of clotrimazole on topical application
 AU Freis, A.
 CS Pharma-Res. Cent., Bayer A.-G., Wuppertal-Elberfeld, Fed. Rep. Ger.
 SO Drugs Made in Germany (1972), 15(3), 120-1
 CODEN: DRMGAS; ISSN: 0012-6683
 DT Journal
 LA English

L54 ANSWER 237 OF 241 CA COPYRIGHT 2003 ACS on STN
 AN 82:10996 CA
 TI Pharmacokinetics of topically applied carbon-14-labeled
 bisphenyl-(2-chlorophenyl)-1-imidazolyl-methane
 AU Duhm, B.; Maul, W.; Medenwald, H.; Patzschke, K.; Wegner, L. A.;
 Oberste-Lehn, H.
 CS Isot. Inst., Bayer A.-G., Wuppertal/Elberfeld, Fed. Rep. Ger.
 SO Drugs Made in Germany (1972), 15(3), 99-100, 102-3
 CODEN: DRMGAS; ISSN: 0012-6683
 DT Journal
 LA English

L54 ANSWER 238 OF 241 CA COPYRIGHT 2003 ACS on STN
 AN 82:277 CA
 TI Toxicity of clotrimazole
 AU Tettenborn, D.
 CS Inst. Toxicol., Bayer A.-G., Wuppertal-Elberfeld, Fed. Rep. Ger.
 SO Postgraduate Medical Journal, Supplement (1974), 50(1), 17-20
 CODEN: PMESAJ; ISSN: 0370-0593
 DT Journal
 LA English

L54 ANSWER 239 OF 241 CA COPYRIGHT 2003 ACS on STN
 AN 82:249 CA
 TI Acute toxicity and local tolerance of clotrimazole. Summary of test
 results
 AU Tettenborn, D.
 CS Inst. Toxicol., Bayer A.-G., Wuppertal-Elberfeld, Fed. Rep. Ger.
 SO Drugs Made in Germany (1972), 15(3), 94, 96-9
 CODEN: DRMGAS; ISSN: 0012-6683

DT Journal
LA English

L54 ANSWER 240 OF 241 CA COPYRIGHT 2003 ACS on STN
AN 78:11719 CA
TI Pharmacokinetics of diphenyl(2-chloro-phenyl)-1-imidazolylmethane-[14C]
after topical application
AU Duhm, B.; Maul, W.; Medenwald, H.; Patzschke, K.; Wegner, L. A.;
Oberste-Lehn, H.
CS Isot.-Inst., Bayer A.-G., Wuppertal, Fed. Rep. Ger.
SO Arzneimittel-Forschung (1972), 22(8), 1276-80
CODEN: ARZNAD; ISSN: 0004-4172
DT Journal
LA German

L54 ANSWER 241 OF 241 CA COPYRIGHT 2003 ACS on STN
AN 78:11503 CA
TI Acute toxicity and local tolerance of clotrimazole. Test results
AU Tettenborn, D.
CS Inst. Toxikol., Bayer A.-G., Wuppertal, Fed. Rep. Ger.
SO Arzneimittel-Forschung (1972), 22(8), 1272-6
CODEN: ARZNAD; ISSN: 0004-4172
DT Journal
LA German

=> d his

(FILE 'HOME' ENTERED AT 15:31:51 ON 04 AUG 2003)

FILE 'REGISTRY' ENTERED AT 15:32:03 ON 04 AUG 2003

L1 75 S FARNESOL
L2 1 S HEXANOYL SPHINGOSINE
L3 0 S OLEOYL BETAINE
L4 55 S URSOLIC ACID
L5 165 S IONONE
L6 0 S UTRECT-2
L7 1 S UTRECHT 2
L8 5 S BIFONAZOLE
L9 6 S CLOTRIMAZOLE
L10 5 S KETOCONAZOLE
L11 15 S MICONAZOLE
L12 0 S DAIZEDEIN
L13 51 S DAIDZEIN
L14 75 S GENISTEIN
L15 0 S PHYTOESTRAGEN
E PHYTOESTROGEN
L16 3 S E3

FILE 'CA' ENTERED AT 15:42:33 ON 04 AUG 2003

L17 10486 S RETINOL
L18 0 S GLUTAMASE TRANSAMINASE
L19 189 S GLUTAMATE TRANSAMINASE
L20 0 S L19 AND L17
L21 19649 S TRANSAMINASE
L22 24 S L21 AND L17
E DERMAL
L23 11755 S E3-E11
L24 3285 S L1
E PHYTOESTROGEN
L25 1454 S E3-E8
L26 1 S L25 AND L23

E SKIN
 L27 184746 S E3
 L28 22 S L27 AND L25
 L29 0 S RESVESEROL
 L30 1408 S RESVERATROL
 L31 4 S L30 AND L23
 L32 0 S L24 AND L30
 E FUNGUS
 L33 40001 S E3
 L34 21 S L33 AND L30
 L35 2462 S L13
 L36 3825 S L14
 L37 2384 S L10
 L38 1454 S L9
 L39 2 S L38 AND L35
 L40 47 S L35 AND L33
 L41 11 S L17 AND L33
 L42 28516 S VITAMIN A
 L43 26 S L42 AND L33
 L44 24 S L43 NOT L41
 L45 38 S L24 AND L33
 L46 43 S L38 AND L33
 L47 76 S L37 AND L33
 L48 21 S L47 AND L46
 L49 370 S HYDROXY QUINOLINE
 L50 1 S L49 AND L33
 L51 113 S L24 AND L27
 L52 127 S L36 AND L27
 L53 82 S L35 AND L27
 L54 241 S L38 AND L27

=> s 137 and 127

L55 224 L37 AND L27

=> d 155 180-224

L55 ANSWER 180 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 117:184347 CA
 TI Ketoconazole binds to the human androgen receptor
 AU Eil, C.
 CS Dep. Intern. Med., Nav. Hosp. Uniformed Serv., Bethesda, MD, USA
 SO Hormone and Metabolic Research (1992), 24(8), 367-70
 CODEN: HMMRA2; ISSN: 0018-5043
 DT Journal
 LA English

L55 ANSWER 181 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 117:103858 CA
 TI The effects of the antifungal azoles intraconazole, fluconazole,
 ketoconazole and micronazole on cytokine gene expression in human lymphoid
 cells
 AU Friccius, H.; Pohla, H.; Adibzadeh, M.; Siegels-Huebenthal, P.; Schenk,
 A.; Pawelec, G.
 CS Med.-Naturwis.-Forschungszent., Tuebingen, D-7400, Germany
 SO International Journal of Immunopharmacology (1992), 14(5), 791-9
 CODEN: IJIMDS; ISSN: 0192-0561
 DT Journal
 LA English

L55 ANSWER 182 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 116:211023 CA
 TI Study of lipids in dermatophytes II. The effect of ketoconazole in the

exponential stage of growth
 AU Merkunova, A.; Chmela, Z.; Lenhart, K.
 CS Med. Fac., Palacky Univ., Olomouc, 775 15, Czech.
 SO Acta Universitatis Palackianae Olomucensis, Facultatis Medicae (1991),
 129, 39-50
 CODEN: AUPMAF; ISSN: 0301-2514
 DT Journal
 LA English

L55 ANSWER 183 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 116:143854 CA
 TI Treatment of cutaneous hypersensitivity with topical calcium channel
 blockers
 IN Sharpe, Richard J.; Arndt, Kenneth A.; Galli, Stephen J.
 PA Beth Israel Hospital Assoc., USA
 SO S. African, 23 pp.
 CODEN: SFXAB
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	ZA 9006583	A	19910925	ZA 1990-6583	19900720
PRAI	US 1989-396846		19890821		

L55 ANSWER 184 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 116:113521 CA
 TI Topical compositions containing imidazole derivatives as dermal
 penetration enhancers
 IN Parab, Prakash
 PA Bristol-Myers Squibb Co., USA
 SO Eur. Pat. Appl., 13 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI.	EP 457333	A2	19911121	EP 1991-107975	19910516
	EP 457333	A3	19921202		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	US 5087620	A	19920211	US 1990-524417	19900517
	CA 2038899	AA	19911118	CA 1991-2038899	19910322
	AU 9175274	A1	19911121	AU 1991-75274	19910423
	AU 632925	B2	19930114		
	JP 04226922	A2	19920817	JP 1991-197501	19910508
	US 5374633	A	19941220	US 1991-771590	19911004
PRAI	US 1990-524417		19900517		

L55 ANSWER 185 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 116:102602 CA
 TI Composition and treatment with biologically active peptides and
 anti-parasitic agents or anti-fungal agents
 IN Berkowitz, Barry; Jacob, Leonard
 PA Magainin Sciences, Inc., USA
 SO PCT Int. Appl., 32 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----

PI WO 9116918 A1 19911114 WO 1991-US2825 19910424
W: JP, US
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE
EP 526570 A1 19930210 EP 1991-909220 19910424
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE
JP 05507077 T2 19931014 JP 1991-508676 19910424
CA 2041246 AA 19911028 CA 1991-2041246 19910425
PRAI US 1990-515248 19900427
WO 1991-US2825 19910424

L55 ANSWER 186 OF 224 CA COPYRIGHT 2003 ACS on STN
AN 115:189747 CA
TI Pharmaceutical and cosmetic composition containing .alpha.-hydroxy acids,
.alpha.-keto-acids, and amphoteric agents
IN Yu, Ruey J.; Van Scott, Eugene J.
PA USA
SO Eur. Pat. Appl., 34 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 7

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 413528	A1	19910220	EP 1990-308828	19900810
	EP 413528	B1	19951115		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	US 5091171	A	19920225	US 1989-393749	19890815
	US 5091171	B1	19950926		
	US 5091171	B2	19970715		
	CA 2019273	AA	19910215	CA 1990-2019273	19900619
	CA 2019273	C	20010529		
	CA 2337750	C	20021015	CA 1990-2337750	19900619
	AU 9059139	A1	19910221	AU 1990-59139	19900718
	AU 660917	B2	19950713		
	EP 671162	A2	19950913	EP 1995-105358	19900810
	EP 671162	A3	19951227		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	AT 130187	E	19951215	AT 1990-308828	19900810
	ES 2081936	T3	19960316	ES 1990-308828	19900810
	JP 3016588	B2	20000306	JP 1991-505539	19910121
	US 5385938	A	19950131	US 1992-925877	19920807
	US 5385938	B1	19920807		
	US 5091171	B1	19950926	US 1992-90002911	19921217
	US 5702688	A	19971230	US 1993-135841	19931007
	US 5637615	A	19970610	US 1995-467153	19950606
	US 5643961	A	19970701	US 1995-466737	19950606
	US 5643962	A	19970701	US 1995-466740	19950606
	US 5643952	A	19970701	US 1995-466770	19950606
	US 5643953	A	19970701	US 1995-467156	19950606
	US 5643963	A	19970701	US 1995-471523	19950606
	US 5648395	A	19970715	US 1995-466739	19950606
	US 5648391	A	19970715	US 1995-469812	19950606
	US 5648388	A	19970715	US 1995-471511	19950606
	US 5650436	A	19970722	US 1995-467134	19950606
	US 5650437	A	19970722	US 1995-470060	19950606
	US 5650440	A	19970722	US 1995-471513	19950606
	US 5652267	A	19970729	US 1995-469814	19950606
	US 5654340	A	19970805	US 1995-467989	19950606
	US 5656665	A	19970812	US 1995-466771	19950606
	US 5656666	A	19970812	US 1995-470829	19950606
	US 5670542	A	19970923	US 1995-465700	19950606
	US 5670543	A	19970923	US 1995-471521	19950606

	US 5674899	A	19971007	US 1995-465704	19950606
	US 5674903	A	19971007	US 1995-468079	19950606
	US 5677339	A	19971014	US 1995-466820	19950606
	US 5677340	A	19971014	US 1995-468077	19950606
	US 5716992	A	19980210	US 1995-469811	19950606
	US 5827882	A	19981027	US 1995-465695	19950606
	US 5654336	A	19970805	US 1995-483328	19950607
	US 5681853	A	19971028	US 1995-472317	19950607
	US 5684044	A	19971104	US 1995-472315	19950607
	US 5690967	A	19971125	US 1995-472310	19950607
	AU 9533110	A1	19960215	AU 1995-33110	19951006
	AU 701962	B2	19990211		
	US 6060512	A	20000509	US 1998-185608	19981104
	US 6051609	A	20000418	US 1998-222997	19981230
	US 6191167	B1	20010220	US 1999-255702	19990223
	US 2003083380	A1	20030501	US 2000-729981	20001206
PRAI	US 1989-393749	A	19890815		
	US 1986-945680	B2	19861223		
	US 1990-469738	B1	19900119		
	US 1990-467958	A	19900122		
	CA 1990-2019273	A3	19900619		
	EP 1990-308828	A3	19900810		
	WO 1991-US412	W	19910121		
	US 1992-840149	B1	19920224		
	US 1993-135841	A1	19931007		
	US 1997-926030	A1	19970909		
	US 1997-998864	A1	19971229		
	US 1997-998871	A3	19971229		
	US 1998-185608	A1	19981104		
	US 2000-513225	B1	20000225		
OS	MARPAT 115:189747				
L55	ANSWER 187 OF 224	CA	COPYRIGHT 2003 ACS on STN		
AN	115:126342	CA			
TI	Single application study of ketoconazole, an antifungal agent, in healthy subjects				
AU	Kobayashi, Takashi; Nishikawa, Takeji				
CS	Sch. Med., Keio Univ., Tokyo, Japan				
SO	Yakuri to Chiryo (1973-2000) (1991), 19(5), 1857-61				
	CODEN: YACHDS; ISSN: 0386-3603				
DT	Journal				
LA	Japanese				
L55	ANSWER 188 OF 224	CA	COPYRIGHT 2003 ACS on STN		
AN	115:126341	CA			
TI	Skin kinetics of ketoconazole (KCZ), an antifungal agents, absorption, distribution and excretion of 3H-KCZ and 14C0KCZ in rats and rabbits				
AU	Fujita, Hironori; Matakai, Yoichi; Deguchi, Takashi; Mori, Ikuji; Yamamoto, Fumihizo; Ito, Teruto; Nagai, Toshimitsu				
CS	Kyowa Bio-Res. Lab. Co., Ltd., Japan				
SO	Yakuri to Chiryo (1973-2000) (1991), 19(5), 1845-55				
	CODEN: YACHDS; ISSN: 0386-3603				
DT	Journal				
LA	Japanese				
L55	ANSWER 189 OF 224	CA	COPYRIGHT 2003 ACS on STN		
AN	114:227507	CA			
TI	Astaxanthin, its enhanced production with yeast mutants, and use as a natural coloring agent				
IN	Johnson, Eric A.; Schreiber, David; Ho, Kwok P.; Hall, William T.; Yang, Huei Hsiung; Geldiay-Tuncer, Beril				

PA Igene Biotechnology, Inc., USA
 SO PCT Int. Appl., 45 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9102060	A1	19910221	WO 1990-US558	19900105
	W: AU, KR, SU				
	CA 1335884	A1	19950613	CA 1989-607791	19890808
	US 5182208	A	19930126	US 1989-399183	19890823
	AU 9055385	A1	19910311	AU 1990-55385	19900105
	AU 653916	B2	19941020		
	US 5356809	A	19941018	US 1992-837120	19920214
PRAI	US 1989-385961		19890728		
	US 1988-229536		19880808		
	US 1989-399183		19890823		
	WO 1990-US558		19900105		

L55 ANSWER 190 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 114:177909 CA
 TI Azone effect on transdermal absorption of ketoconazole determined by
 multi-wavelength area integral method
 AU Wang, Xiaobo; Yue, Ping; Xing, Shanmin; Zhu, Guizhi; Lan, Xueshan; Zhou,
 Gaixian
 CS Dep. Clin. Pharmacol., Chin. People's Liberation Army Hosp. 210, Dalian,
 Peop. Rep. China
 SO Shenyang Yaoxueyuan Xuebao (1991), 8(1), 9-13
 CODEN: SYXUE3; ISSN: 1000-1727
 DT Journal
 LA Chinese

L55 ANSWER 191 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 114:108954 CA
 TI Pharmaceutical compositions containing ketoconazole for the treatment of
 acne vulgaris and other **skin** disorders
 IN Cauwenbergh, Gerard Frans Maria Jan
 PA Janssen Pharmaceutica N. V., Belg.
 SO Eur. Pat. Appl., 11 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 396184	A2	19901107	EP 1990-201054	19900426
	EP 396184	A3	19920520		
	EP 396184	B1	19961113		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	AT 145136	E	19961115	AT 1990-201054	19900426
	ES 2096577	T3	19970316	ES 1990-201054	19900426
	CA 2015838	AA	19901103	CA 1990-2015838	19900501
	CA 2015838	C	20020827		
	AU 9054711	A1	19901115	AU 1990-54711	19900502
	AU 626672	B2	19920806		
	JP 02295927	A2	19901206	JP 1990-115340	19900502
	JP 2833711	B2	19981209		
	ZA 9003339	A	19920129	ZA 1990-3339	19900502
	IL 94267	A1	19941111	IL 1990-94267	19900502
	US 5476852	A	19951219	US 1993-111094	19930824
PRAI	GB 1989-10069	A	19890503		

US 1990-510636 B2 19900418
US 1990-540544 B1 19900619

- L55 ANSWER 192 OF 224 CA COPYRIGHT 2003 ACS on STN
AN 113:227840 CA
TI In vitro susceptibility of dermatophytes from Munich to griseofulvin, miconazole and ketoconazole
AU Korting, H. C.; Rosenkranz, Simone
CS Dep. Dermatol. Venereol., Ludwig-Maximilians-Univ., Munich, D-8000/2, Germany
SO Mycoses (1990), 33(3), 136-9
CODEN: MYCSEU; ISSN: 0933-7407
DT Journal
LA English
- L55 ANSWER 193 OF 224 CA COPYRIGHT 2003 ACS on STN
AN 113:218006 CA
TI Acetylated low-density lipoprotein as a vehicle for anti-infectious drugs: preparation and antileishmanial activity of Ac-LDL containing ketoconazole oleate
AU Nicolas, J. M.; Pirson, P.; Leclef, B.; Trouet, A.
CS Medgenix Group, Ire B3, Fleurus, B-6220, Belg.
SO Annals of Tropical Medicine & Parasitology (1990), 84(4), 325-36
CODEN: ATMPA2; ISSN: 0003-4983
DT Journal
LA English
- L55 ANSWER 194 OF 224 CA COPYRIGHT 2003 ACS on STN
AN 113:108895 CA
TI Potentiation of interleukin 1.alpha. mediated antitumor effects by ketoconazole
AU Braunschweiger, Paul G.; Kumar, Nirmal; Constantinidis, Ioannis; Wehrle, Janna P.; Glickson, Jerry D.; Johnson, Candace S.; Furmanski, Philip
CS Lab. Exp. Ther., AMC Cancer Res. Cent., Denver, CO, 80214, USA
SO Cancer Research (1990), 50(15), 4709-17
CODEN: CNREA8; ISSN: 0008-5472
DT Journal
LA English
- L55 ANSWER 195 OF 224 CA COPYRIGHT 2003 ACS on STN
AN 112:233041 CA
TI Differential regulation of low density lipoprotein suppression of HMG-CoA reductase activity in cultured cells by inhibitors of cholesterol biosynthesis
AU Gupta, Arun K.; Sexton, Russell C.; Rudney, Harry
CS Coll. Med., Univ. Cincinnati, Cincinnati, OH, 45267-0524, USA
SO Journal of Lipid Research (1990), 31(2), 203-15
CODEN: JLPRAW; ISSN: 0022-2275
DT Journal
LA English
- L55 ANSWER 196 OF 224 CA COPYRIGHT 2003 ACS on STN
AN 111:146345 CA
TI Activity of triazole derivatives against Pityrosporum orbiculare in vitro and in vivo
AU Faergemann, Jan
CS Dep. Dermatol., Univ. Goeteborg, Goeteborg, S-413 45, Swed.
SO Annals of the New York Academy of Sciences (1988), 544(Antifungal Drugs), 348-53
CODEN: ANYAA9; ISSN: 0077-8923
DT Journal
LA English

L55 ANSWER 197 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 111:89854 CA
 TI Treatment of experimental zygomycosis in guinea pigs with azoles and with amphotericin B
 AU Van Cutsem, J.; Van Gerven, F.; Franssen, J.; Janssen, P. A. J.
 CS Janssen Res. Found., Beerse, Belg.
 SO Chemotherapy (Basel, Switzerland) (1989), 35(4), 267-72
 CODEN: CHTHBK; ISSN: 0009-3157
 DT Journal
 LA English

L55 ANSWER 198 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 110:88070 CA
 TI Chemotherapeutic activity in a mouse model of cryptococcosis with cutaneous and nasal involvement
 AU Polak, Annemarie; Dixon, D. M.
 CS Hoffmann-La Roche and Co. Ltd., Pharm. Res., Basel, Switz.
 SO Mycoses (1988), 31(10), 501-7
 CODEN: MYCSEU; ISSN: 0933-7407
 DT Journal
 LA English

L55 ANSWER 199 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 110:249 CA
 TI Binding of drugs to human skin: influencing factors and the role of tissue lipids
 AU Walter, K.; Kurz, H.
 CS Walther Straub-Inst. Pharmakol. Toxikol., Ludwig-Maximilians-Univ., Munich, 8000/2, Fed. Rep. Ger.
 SO Journal of Pharmacy and Pharmacology (1988), 40(10), 689-93
 CODEN: JPPMAB; ISSN: 0022-3573
 DT Journal
 LA English

L55 ANSWER 200 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 109:216035 CA
 TI Hydroxycarboxylic acids as additives enhancing topical actions of therapeutic agents
 IN Van Scott, Eugene J.
 PA Yu, Ruey J., USA
 SO Eur. Pat. Appl., 23 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 7

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 273202	A2	19880706	EP 1987-117405	19871125
	EP 273202	A3	19900606		
	EP 273202	B1	19950621		
	R: DE, ES, FR, GB, IT				
	AU 8779986	A1	19880623	AU 1987-79986	19871021
	AU 618517	B2	19920102		
	CA 1324077	A1	19931109	CA 1987-549964	19871022
	JP 63166837	A2	19880711	JP 1987-280275	19871105
	JP 2533339	B2	19960911		
	EP 599819	A2	19940601	EP 1994-102151	19871125
	EP 599819	A3	19940727		
	EP 599819	B1	19970402		
	R: DE, ES, FR, GB, IT				
	ES 2074978	T3	19951001	ES 1987-117405	19871125

EP 770399	A2	19970502	EP 1997-100470	19871125
R: DE, ES, FR, GB, IT				
ES 2103506	T3	19970916	ES 1994-102151	19871125
JP 3016588	B2	20000306	JP 1991-505539	19910121
AU 9213943	A1	19920528	AU 1992-13943	19920331
AU 654850	B2	19941124		
US 5385938	A	19950131	US 1992-925877	19920807
US 5385938	B1	19920807		
CA 1340120	A1	19981110	CA 1992-616460	19920810
US 5091171	B1	19950926	US 1992-90002911	19921217
US 5665776	A	19970909	US 1993-8223	19930122
US 5389677	A	19950214	US 1993-89101	19930712
US 5389677	B1	19970715		
US 5702688	A	19971230	US 1993-135841	19931007
US 5422370	A	19950606	US 1994-179189	19940110
US 5422370	B1	19970715		
US 5470880	A	19951128	US 1994-179190	19940110
US 5550154	A	19960827	US 1995-463235	19950605
US 5561159	A	19961001	US 1995-463062	19950605
US 5561155	A	19961001	US 1995-464071	19950605
US 5589505	A	19961231	US 1995-463724	19950605
US 5591774	A	19970107	US 1995-463063	19950605
US 5668177	A	19970916	US 1995-464500	19950605
US 5670541	A	19970923	US 1995-464475	19950605
US 5550158	A	19960827	US 1995-471530	19950606
US 5554651	A	19960910	US 1995-467894	19950606
US 5556882	A	19960917	US 1995-467530	19950606
US 5561156	A	19961001	US 1995-470433	19950606
US 5561153	A	19961001	US 1995-470435	19950606
US 5565487	A	19961015	US 1995-471528	19950606
US 5571841	A	19961105	US 1995-470434	19950606
US 5574067	A	19961112	US 1995-467001	19950606
US 5578644	A	19961126	US 1995-471518	19950606
US 5580902	A	19961203	US 1995-465699	19950606
US 5583156	A	19961210	US 1995-467895	19950606
US 5599843	A	19970204	US 1995-471529	19950606
US 5612376	A	19970318	US 1995-465703	19950606
US 5637615	A	19970610	US 1995-467153	19950606
US 5643961	A	19970701	US 1995-466737	19950606
US 5643962	A	19970701	US 1995-466740	19950606
US 5643952	A	19970701	US 1995-466770	19950606
US 5643953	A	19970701	US 1995-467156	19950606
US 5643963	A	19970701	US 1995-471523	19950606
US 5648395	A	19970715	US 1995-466739	19950606
US 5648391	A	19970715	US 1995-469812	19950606
US 5648388	A	19970715	US 1995-471511	19950606
US 5650436	A	19970722	US 1995-467134	19950606
US 5650437	A	19970722	US 1995-470060	19950606
US 5650440	A	19970722	US 1995-471513	19950606
US 5652267	A	19970729	US 1995-469814	19950606
US 5654340	A	19970805	US 1995-467989	19950606
US 5656665	A	19970812	US 1995-466771	19950606
US 5656666	A	19970812	US 1995-470829	19950606
US 5670542	A	19970923	US 1995-465700	19950606
US 5670543	A	19970923	US 1995-471521	19950606
US 5674899	A	19971007	US 1995-465704	19950606
US 5674903	A	19971007	US 1995-468079	19950606
US 5677339	A	19971014	US 1995-466820	19950606
US 5677340	A	19971014	US 1995-468077	19950606
US 5716992	A	19980210	US 1995-469811	19950606
US 5827882	A	19981027	US 1995-465695	19950606
US 5554652	A	19960910	US 1995-487685	19950607

US 5554654	A	19960910	US 1995-487692	19950607
US 5561157	A	19961001	US 1995-472318	19950607
US 5571837	A	19961105	US 1995-475685	19950607
US 5621006	A	19970415	US 1995-472314	19950607
US 5654336	A	19970805	US 1995-483328	19950607
US 5681853	A	19971028	US 1995-472317	19950607
US 5684044	A	19971104	US 1995-472315	19950607
US 5690967	A	19971125	US 1995-472310	19950607
US 5691378	A	19971125	US 1995-487684	19950607
CA 1339706	A1	19980310	CA 1995-617036	19951031
US 5889054	A	19990330	US 1997-925063	19970908
US 5962526	A	19991005	US 1997-926030	19970909
US 5856357	A	19990105	US 1997-937008	19970924
US 6060512	A	20000509	US 1998-185608	19981104
US 6051609	A	20000418	US 1998-222997	19981230
US 6384079	B1	20020507	US 1999-224949	19990104
US 6191167	B1	20010220	US 1999-255702	19990223
US 2003083380	A1	20030501	US 2000-729981	20001206
US 2001016604	A1	20010823	US 2001-774882	20010201
US 2003017130	A1	20030123	US 2002-71345	20020208
PRAI US 1986-945680	A	19861223		
CA 1987-549964	A3	19871022		
EP 1987-117405	A3	19871125		
EP 1994-102151	A3	19871125		
US 1989-393749	A3	19890815		
US 1990-469738	B1	19900119		
US 1990-467958	A	19900122		
WO 1991-US412	W	19910121		
US 1991-683437	B1	19910410		
US 1991-812858	B1	19911223		
US 1992-840149	B1	19920224		
CA 1992-616460	A3	19920810		
US 1992-936863	B1	19920827		
US 1993-8112	A3	19930122		
US 1993-8223	A3	19930122		
US 1993-89101	A1	19930712		
US 1993-117559	B1	19930907		
US 1993-135841	A1	19931007		
US 1994-179190	A1	19940110		
US 1994-359939	A1	19941220		
US 1995-478524	A1	19950607		
US 1995-487684	A1	19950607		
US 1997-926030	A1	19970909		
US 1997-998864	A1	19971229		
US 1997-998871	A3	19971229		
US 1998-185608	A1	19981104		
US 1998-222995	B1	19981230		
US 1998-222997	A1	19981230		
US 2000-510368	B1	20000222		
US 2000-513225	B1	20000225		
US 2001-774822	A1	20010130		
OS MARPAT 109:216035				

L55 ANSWER 201 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 109:208155 CA
 TI Antifungigram of dermatophytes
 AU Steiman, R.; Seigle-Murandi, F.; Sage, L.
 CS Lab. Bot., Cryptogamie, Biol. Cell. Genet., UFR Pharm., Meylan, 38243, Fr.
 SO Annales de l'Institut Pasteur/Microbiology (1988), 139(4), 485-91
 CODEN: AIPME3; ISSN: 0769-2609
 DT Journal
 LA French

L55 ANSWER 202 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 109:187108 CA
 TI Further in vitro studies with oxiconazole nitrate
 AU Shadomy, Smith; Wang, Hong; Shadomy, H. Jean
 CS Med. Coll. Virginia, Virginia Commonw. Univ., Richmond, VA, USA
 SO Diagnostic Microbiology and Infectious Disease (1988), 9(4), 231-7
 CODEN: DMIDDZ; ISSN: 0732-8893
 DT Journal
 LA English

L55 ANSWER 203 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 109:187106 CA
 TI Investigations upon the combined action of propolis and antimycotic drugs on Candida albicans
 AU Holderna, E.; Kedzia, B.
 CS Inst. Med. Plants, Poznan, 61-707, Pol.
 SO Herba Polonica (1987), 33(2), 145-51
 CODEN: HPBIA9; ISSN: 0018-0599
 DT Journal
 LA English

L55 ANSWER 204 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 107:36493 CA
 TI In vitro activity of systemic antifungal agents against Malassezia furfur
 AU Marcon, Mario J.; Durrell, Diane E.; Powell, Dwight A.; Buesching, William J.
 CS Dep. Pathol., Ohio State Univ., Columbus, OH, 43210, USA
 SO Antimicrobial Agents and Chemotherapy (1987), 31(6), 951-3
 CODEN: AMACQ; ISSN: 0066-4804
 DT Journal
 LA English

L55 ANSWER 205 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 106:97789 CA
 TI Human hair follicle benzo[a]pyrene and benzo[a]pyrene 7,8-diol metabolism: effect of exposure to a coal tar-containing shampoo
 AU Merk, Hans F.; Mukhtar, Hasan; Kaufmann, Irene; Das, Mukul; Bickers, David R.
 CS Dep. Dermatol., Univ. Cologne, Cologne, Fed. Rep. Ger.
 SO Journal of Investigative Dermatology (1987), 88(1), 71-6
 CODEN: JIDEAE; ISSN: 0022-202X
 DT Journal
 LA English

L55 ANSWER 206 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 106:95472 CA
 TI Hair follicle: a model for determination of the imidazole-dependent inhibition of xenobiotic-metabolizing enzymes in human epidermal cells
 AU Kaufmann, Irene; Nettersheim, H.; Merk, H. F.
 CS Universitaets-Hautklin., Cologne, D-5000/41, Fed. Rep. Ger.
 SO GIT-Supplement (1986), (6), 68-9
 CODEN: GITSD4; ISSN: 0930-4061
 DT Journal
 LA German

L55 ANSWER 207 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 106:216 CA
 TI Antifungal activity of new azoles
 AU Van Cutsem, J.; Janssen, P. A. J.
 CS Janssen Pharm., Beerse, Belg.
 SO Recent Adv. Chemother., Proc. Int. Congr. Chemother., 14th (1985), Issue

Antimicrobial Sect. 3, 1942-3. Editor(s): Ishigami, Joji. Publisher:
Univ. Tokyo Press, Tokyo, Japan.
CODEN: 55GNAX

DT Conference
LA English

L55 ANSWER 208 OF 224 CA COPYRIGHT 2003 ACS on STN
AN 105:18440 CA
TI Comparative effects of growth inhibitors on DNA replication, DNA repair,
and protein synthesis in human epidermal keratinocytes
AU Bohr, Vilhelm; Mansbridge, Jonathan; Hanawalt, Philip
CS Psoriasis Res. Inst., Palo Alto, CA, USA
SO Cancer Research (1986), 46(6), 2929-35
CODEN: CNREA8; ISSN: 0008-5472
DT Journal
LA English

L55 ANSWER 209 OF 224 CA COPYRIGHT 2003 ACS on STN
AN 104:141602 CA
TI In vivo tests for antimycotic drugs
AU Gargani, G.; Pini, G.
CS Inst. Microbiol., Univ. Florence, Florence, 50134, Italy
SO Chemioterapia (1985), 4(5), 406-12
CODEN: CHEMEV; ISSN: 0392-906X
DT Journal
LA English

L55 ANSWER 210 OF 224 CA COPYRIGHT 2003 ACS on STN
AN 104:102006 CA
TI Treatment of sporotrichosis and black fungus infections. With special
reference to the mechanism of action of potassium iodide in sporotrichosis
AU Honbo, Shozo; Koga, Tetsuya; Yamano, Tatsufumi; Urabe, Harukuni
CS Fac. Med., Kyushu Univ., Fukuoka, 812, Japan
SO Shinkin to Shinkinsho (1985), 26(3), 152-8
CODEN: SHSHBL; ISSN: 0583-0516
DT Journal
LA Japanese

L55 ANSWER 211 OF 224 CA COPYRIGHT 2003 ACS on STN
AN 103:153372 CA
TI Ketoconazole, an orally active broad-spectrum antifungal
AU Van Cutsem, Jan; Van Gerven, F.; Janssen, P. A. J.
CS Dep. Bacteriol. Mycol., Janssen Pharm. N.V., Beerse, B-2340, Belg.
SO Proc. Int. Congr. Chemother., 13th (1983), Volume 6, 115/3-115/6.
Editor(s): Spitzzy, K. H.; Karrer, K. Publisher: Verlag H. Egermann,
Vienna, Austria.
CODEN: 53XPA8
DT Conference
LA English

L55 ANSWER 212 OF 224 CA COPYRIGHT 2003 ACS on STN
AN 103:47851 CA
TI Studies on antifungal activity of ketoconazole (KW-1414). V. Therapeutic
effects of ketoconazole cream on experimental dermatomycosis in guinea
pigs
AU Minagawa, Harushige; Kitaura, Kozo; Okachi, Ryo; Nakamizo, Nobuhiro
CS Pharm. Res. Lab., Kyowa Hakko Kogyo Co., Ltd., Nagaizumi, 411, Japan
SO Shinkin to Shinkinsho (1984), 25(4), 358-62
CODEN: SHSHBL; ISSN: 0583-0516
DT Journal
LA Japanese

L55 ANSWER 213 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 101:163167 CA
 TI Ketoconazole concentrations in human skin blister fluid and plasma
 AU Schaefer-Korting, M.; Korting, H. C.; Dorn, M.; Mutschler, E.
 CS Fac. Pharm. Biochem., Univ. Frankfurt, Frankfurt/Main, D-6000, Fed. Rep. Ger.
 SO International Journal of Clinical Pharmacology, Therapy and Toxicology (1984), 22(7), 371-4
 CODEN: IJCPB5; ISSN: 0300-9718
 DT Journal
 LA English

L55 ANSWER 214 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 101:147670 CA
 TI Antifungal relative inhibition factors: BAY 1-9139, bifonazole, butoconazole, isoconazole, itraconazole (R 51211), oxiconazole, Ro 14-4767/002, sulconazole, terconazole and vibunazole (BAY n-7133) compared in vitro with nine established antifungal agents
 AU Odds, F. C.; Webster, C. E.; Abbott, A. B.
 CS Dep. Microbiol., Univ. Leicester, Leicester, LE1 7RH, UK
 SO Journal of Antimicrobial Chemotherapy (1984), 14(2), 105-14
 CODEN: JACHDX; ISSN: 0305-7453
 DT Journal
 LA English

L55 ANSWER 215 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 101:126691 CA
 TI In vitro antifungal activities of imidazole derivatives
 AU Chin, Hong Sang; Lee, Kwang Hoon; Cho, Chung Koo
 CS Coll. Med., Yonsei Univ., Seoul, S. Korea
 SO Taehan P'ibukwa Hakhoechi (1984), 22(2), 196-205
 CODEN: TPKCAW; ISSN: 0494-4739
 DT Journal
 LA Korean

L55 ANSWER 216 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 100:99438 CA
 TI Relative inhibition factors - a novel approach to the assessment of antifungal antibiotics in vitro
 AU Odds, F. C.; Abbott, A. B.
 CS Dep. Microbiol., Univ. Leicester, Leicester, LE1 7RH, UK
 SO Journal of Antimicrobial Chemotherapy (1984), 13(1), 31-43
 CODEN: JACHDX; ISSN: 0305-7453
 DT Journal
 LA English

L55 ANSWER 217 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 100:96195 CA
 TI Studies on antifungal activity of ketoconazole (KW-1414): III. Pharmacokinetics of ketoconazole following oral administration in rats by bioassay
 AU Minagawa, Harushige; Kitaura, Kozo; Mineura, Kazuyuki; Marumo, Hirofuto
 CS Pharm. Res. Lab., Kyowa Hakko Kogyo Co. Ltd., Shizuoka, 411, Japan
 SO Shinkin to Shinkinsho (1983), 24(2), 122-27
 CODEN: SHSHBL; ISSN: 0583-0516
 DT Journal
 LA Japanese

L55 ANSWER 218 OF 224 CA COPYRIGHT 2003 ACS on STN
 AN 100:79404 CA
 TI Orally administered ketoconazole: route of delivery to the human stratum

corneum
AU Harris, Russell; Jones, Henry E.; Artis, William M.
CS Sch. Med., Emory Univ., Atlanta, GA, 30322, USA
SO Antimicrobial Agents and Chemotherapy (1983), 24(6), 876-82
CODEN: AMACCQ; ISSN: 0066-4804
DT Journal
LA English

L55 ANSWER 219 OF 224 CA COPYRIGHT 2003 ACS on STN
AN 99:207597 CA
TI Differences in the biochemical properties of aldrin epoxidase, a
cytochrome P 450-dependent monooxygenase, in various tissues
AU Van Cantfort, J.; Leonard-Poma, M.; Sele-Doyen, J.; Gielen, J. E.
CS Inst. Pathol., Univ. Liege, Sart Tilman, B-4000, Belg.
SO Biochemical Pharmacology (1983), 32(18), 2697-702
CODEN: BCPCA6; ISSN: 0006-2952
DT Journal
LA English

L55 ANSWER 220 OF 224 CA COPYRIGHT 2003 ACS on STN
AN 99:191495 CA
TI Comparison of the in vitro antifungal activities of ketoconazole and
griseofulvin against clinical isolates of dermatophytes
AU Kusunoki, Toshio; Harada, Seiichi
CS Dep. Dermatol., Nippon Med. Sch., Tokyo, 113, Japan
SO Shinkin to Shinkinsho (1982), 23(4), 305-7
CODEN: SHSHBL; ISSN: 0583-0516
DT Journal
LA English

L55 ANSWER 221 OF 224 CA COPYRIGHT 2003 ACS on STN
AN 99:187116 CA
TI The antifungal activity of ketoconazole
AU Van Cutsem, Jan
CS Dep. Bacteriol. Mycol., Janssen Pharm., Beerse, Belg.
SO American Journal of Medicine (1983), 74(1B), 9-15
CODEN: AJMEAZ; ISSN: 0002-9343
DT Journal
LA English

L55 ANSWER 222 OF 224 CA COPYRIGHT 2003 ACS on STN
AN 98:209626 CA
TI Ketoconazole therapy of experimentally induced sporotrichosis infections
in cats: a preliminary study
AU Raimer, Sharon S.; Ewert, Adam; MacDonald, Etta M.; Reitmeyer, James C.;
Dotson, A. Dearl; Mader, Jon T.
CS Med. Branch, Univ. Texas, Galveston, TX, 77550, USA
SO Current Therapeutic Research (1983), 33(4), 670-80
CODEN: CTCEA9; ISSN: 0011-393X
DT Journal
LA English

L55 ANSWER 223 OF 224 CA COPYRIGHT 2003 ACS on STN
AN 93:198415 CA
TI Influence of steroids on the antifungal activity of imidazole
AU Hoegl, F.; Raab, W.
CS Med.-Chem. Inst., Univ. Wien, Vienna, Austria
SO Mykosen (1980), 23(8), 426-39
CODEN: MYKSAW; ISSN: 0027-5557
DT Journal
LA German

L55 ANSWER 224 OF 224 CA COPYRIGHT 2003 ACS on STN
AN 91:83208 CA
TI Ketoconazole - a new broad spectrum orally active antimycotic
AU Thienpont, D.; Van Cutsem, J.; Van Gerven, F.; Heeres, J.; Janssen, P. A.
J.
CS Janssen Pharm., Beerse, B-2340, Belg.
SO Experientia (1979), 35(5), 606-7
CODEN: EXPEAM; ISSN: 0014-4754
DT Journal
LA English

=> d his

(FILE 'HOME' ENTERED AT 15:31:51 ON 04 AUG 2003)

FILE 'REGISTRY' ENTERED AT 15:32:03 ON 04 AUG 2003

L1 75 S FARNESOL
L2 1 S HEXANOYL SPHINGOSINE
L3 0 S OLEOYL BETAINE
L4 55 S URSOLIC ACID
L5 165 S IONONE
L6 0 S UTRECT-2
L7 1 S UTRECHT 2
L8 5 S BIFONAZOLE
L9 6 S CLOTRIMAZOLE
L10 5 S KETOCONAZOLE
L11 15 S MICONAZOLE
L12 0 S DAIZEDEIN
L13 51 S DAIDZEIN
L14 75 S GENISTEIN
L15 0 S PHYTOESTRAGEN
E PHYTOESTROGEN
L16 3 S E3

FILE 'CA' ENTERED AT 15:42:33 ON 04 AUG 2003

L17 10486 S RETINOL
L18 0 S GLUTAMASE TRANSAMINASE
L19 189 S GLUTAMATE TRANSAMINASE
L20 0 S L19 AND L17
L21 19649 S TRANSAMINASE
L22 24 S L21 AND L17
E DERMAL
L23 11755 S E3-E11
L24 3285 S L1
E PHYTOESTROGEN
L25 1454 S E3-E8
L26 1 S L25 AND L23
E SKIN
L27 184746 S E3
L28 22 S L27 AND L25
L29 0 S RESVESEROL
L30 1408 S RESVERATROL
L31 4 S L30 AND L23
L32 0 S L24 AND L30
E FUNGUS
L33 40001 S E3
L34 21 S L33 AND L30
L35 2462 S L13
L36 3825 S L14
L37 2384 S L10
L38 1454 S L9

L39 2 S L38 AND L35
 L40 47 S L35 AND L33
 L41 11 S L17 AND L33
 L42 28516 S VITAMIN A
 L43 26 S L42 AND L33
 L44 24 S L43 NOT L41
 L45 38 S L24 AND L33
 L46 43 S L38 AND L33
 L47 76 S L37 AND L33
 L48 21 S L47 AND L46
 L49 370 S HYDROXY QUINOLINE
 L50 1 S L49 AND L33
 L51 113 S L24 AND L27
 L52 127 S L36 AND L27
 L53 82 S L35 AND L27
 L54 241 S L38 AND L27
 L55 224 S L37 AND L27

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	541.41	667.68
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-11.78	-11.78

STN INTERNATIONAL LOGOFF AT 16:46:01 ON 04 AUG 2003

AN 130:114824 CA

TI Antimicrobial and antioxidant properties of some commercial essential oils

AU Baratta, M. Tiziana; Dorman, H. J. Damien; Deans, Stanley G.; Figueiredo, A. Cristina; Barroso, Jose G.; Ruberto, Giuseppe

CS Department of Biochemical Sciences, Scottish Agricultural College, Auchincruive, Ayr, KA6 5HW, UK

SO Flavour and Fragrance Journal (1998), 13(4), 235-244
CODEN: FFJOED; ISSN: 0882-5734

PB John Wiley & Sons Ltd.

DT Journal

LA English

CC 63-4 (Pharmaceuticals)
Section cross-reference(s): 10, 62

AB The essential oil compn. of *Cananga odorata*, *Boswellia thurifera*, *Cymbopogon citratus*, *Marjorana hortensis*, *Ocimum basilicum*, *Rosmarinus officinalis*, *Cinnamomum zeylanicum* and *Citrus limon* was analyzed by GC and GC-MS, and their antimicrobial and antioxidant activity tested. Twenty-five different genera of bacteria and one fungal species were used in this study as test organisms. These included animal and plant pathogens, food poisoning and spoilage bacteria and the spoilage fungus *Aspergillus niger*. The volatile oils exhibited considerable inhibitory effect against all the tested organisms. The oils also demonstrated antioxidant capacities, comparable with .alpha.-tocopherol and butylated hydroxytoluene (BHT). The method adopted in this study was the modified thiobarbituric acid reactive species (TBARS) assay. The antioxidant activity was carried out under different conditions by using egg yolk and rat liver in the absence and presence of the radical inducer 2,2'-azobis(2-amidinopropane) dihydrochloride (ABAP).

ST essential oil antimicrobial antioxidant

IT Essential oils
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(*Boswellia thurifera*; antimicrobial and antioxidant properties of com. essential oils)

IT Essential oils
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(*Cananga odorata*; antimicrobial and antioxidant properties of com. essential oils)

IT Essential oils
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(West Indian lemongrass; antimicrobial and antioxidant properties of com. essential oils)

IT Antimicrobial agents
Antioxidants
(antimicrobial and antioxidant properties of com. essential oils)

IT Terpenes, biological studies
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(antimicrobial and antioxidant properties of com. essential oils)

IT Essential oils
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(basil, *Ocimum basilicum*, *Ocimum basilicum*; antimicrobial and antioxidant properties of com. essential oils)

IT Essential oils

RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(cinnamon; antimicrobial and antioxidant properties of com. essential oils)

IT Essential oils

RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(lemon; antimicrobial and antioxidant properties of com. essential oils)

IT Essential oils

RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(rosemary; antimicrobial and antioxidant properties of com. essential oils)

IT Essential oils

RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(sweet marjoram; antimicrobial and antioxidant properties of com. essential oils)

IT 76-22-2, Camphor 76-49-3, Bornyl acetate 78-70-6, Linalool 79-92-5, Camphene 80-26-2 80-56-8, .alpha.-Pinene 87-44-5, .beta.-Caryophyllene 89-48-5, Menthyl acetate 89-78-1, Menthol 89-80-5, Menthone 93-15-2, Methyleugenol 93-28-7, Eugenyl acetate 93-58-3, Methyl benzoate 97-53-0, Eugenol 98-55-5, .alpha.-Terpineol 99-49-0, Carvone 99-83-2, .alpha.-Phellandrene 99-85-4, .gamma.-Terpinene 99-86-5, .alpha.-Terpinene 99-87-6, p-Cymene 104-53-0, Dihydrocinnamaldehyde 104-54-1, Cinnamyl alcohol 105-87-3, Geranyl acetate 106-23-0, Citronellal 106-24-1, Geraniol 106-25-2, Nerol 106-29-6, Geranyl butyrate 110-93-0, 6-Methylhept-5-en-2-one 115-95-7, Linalyl acetate 120-51-4, Benzyl benzoate 122-03-2, Cuminaldehyde 123-35-3, Myrcene 124-18-5, Decane 127-91-3, .beta.-Pinene 138-86-3, Limonene 140-11-4, Benzyl acetate 140-67-0, Estragole 141-27-5, Geranial 150-84-5, Citronellyl acetate 470-82-6, 1,8-Cineole 471-15-8, .beta.-Thujone 473-13-2, .alpha.-Selinene 481-34-5, .alpha.-Cadinol 483-76-1, .delta.-Cadinene 489-40-7, .alpha.-Gurjunene 491-07-6, Isomenthone 495-61-4, .beta.-Bisabolene 502-61-4, .alpha.-trans,trans-Farnesene 507-70-0, Borneol 508-32-7, Tricyclene 546-80-5, .alpha.-Thujone 547-60-4, trans-3-Pinanone 555-10-2, .beta.-Phellandrene 562-74-3, Terpinen-4-ol 586-62-9, Terpinolene 659-70-1, Isoamyl isovalerate 673-84-7, allo-Ocimene 1139-30-6, Caryophyllene epoxide 1195-79-5, Fenchone 1674-08-4, trans-Pinocarveol 1820-09-3, trans-Verbenol 1845-30-3, cis-Verbenol 2867-05-2, .alpha.-Thujene 3338-55-4, cis-.beta.-Ocimene 3387-41-5, Sabinene 3779-61-1, trans-.beta.-Ocimene 3856-25-5, .alpha.-Copaene 3879-60-5, trans,cis-Farnesol 4180-23-8, trans-Anethole 5208-59-3, .beta.-Bourbonene 5937-11-1 6750-60-3, Spathulenol 6753-98-6, .alpha.-Humulene 7299-42-5, .delta.-Terpineol 10208-80-7, .alpha.-Murolene 13466-78-9, .DELTA.3-Carene 13474-59-4, trans-.alpha.-Bergamotene 13744-15-5, .beta.-Cubebene 14371-10-9, trans-Cinnamaldehyde 14575-74-7, .alpha.-Fenchol 14912-44-8, .alpha.-Ylangene 15537-55-0, cis-Sabinene hydrate 17066-67-0, .beta.-Selinene 17699-14-8, .alpha.-Cubebene 17699-16-0, trans-Sabinene hydrate 18309-32-5, Verbenone 18479-51-1, Dihydrolinalool 18794-84-8, trans-.beta.-Farnesene 19435-97-3, .delta.-Cadinol 19912-62-0 21040-45-9, trans-Cinnamyl acetate 21284-22-0, Cubenol 23986-74-5, Germacrene D 24406-05-1, .alpha.-Cadinene 24703-35-3, Bicyclogermacrene 25246-27-9, allo-Aromadendrene 26897-24-5, Benzene, methoxy(methyl)- 27576-03-0,

Dimethylstyrene 28973-97-9, cis-.beta.-Farnesene 28976-67-2,
.beta.-Curcumene 29803-82-5, trans-p-Menth-2-en-1-ol 30021-74-0,
.gamma.-Muurokene 33880-83-0, .beta.-Elemene 39029-41-9,
.gamma.-Cadinene 40716-66-3, trans-Nerolidol 57194-69-1,
cis-Cinnamaldehyde

RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)

(antimicrobial and antioxidant properties of com. essential oils)

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Balandrin, M; Science 1985, V228, P1154 CA
- (2) Carlton, R; Chemoecology 1992, V3, P55 CA
- (3) Conner, D; Antimicrobials in Food 1993
- (4) Cutler, R; Free Radicals in Biology 1984, P371 CA
- (5) Davis, N; Appl Microbiol 1966, V14, P378 CA
- (6) Deans, S; Flavour Fragr J 1994, V9, P245 CA
- (7) Deans, S; Int J Food Microbiol 1987, V5, P165
- (8) Deans, S; Volatile Oil Crops: Their Biology, Biochemistry and Production 1993, P113 CA
- (9) Dorman, H; J Essent Oil Res 1995, V7, P645 CA
- (10) Esterbauer, H; J Lipid Res 1987, V28, P495 CA
- (11) Harman, D; Free Radical in Biology 1982, V5, P255 CA
- (12) Harman, D; J Gerontol 1957, V12, P199
- (13) McDowell, P; Phytochemistry 1988, V27, P2519 CA
- (14) Mehlhorn, J; Adv Free Radical Biol Med 1985, V1, P165
- (15) Pryor, W; Antimutagenesis and Anticarcinogenesis 1986, P45 CA
- (16) Pryor, W; Free Radicals in Molecular Biology Aging and Disease 1984, P13
- (17) Pryor, W; J Am Chem Soc 1988, V110, P2224 CA
- (18) Pryor, W; Modern Biological Theories of Aging 1987, P89
- (19) Steinbrecher, U; Proc Natl Acad Sci USA 1984, V81, P3883 CA
- (20) Wattenberg, L; Adv Cancer Res 1978, V26, P339

=>

AN 101:20459 CA
 TI Sensitivity of yeasts and filamentous fungi towards antifungals.
 Comparative in vitro studies
 AU Guglielminetti, M.; Crema, F.
 CS Ist. Micol. Med. "R. Ciferri and P. Redaelli", Univ. Pavia, Italy
 SO Farmaco, Edizione Pratica (1984), 39(5), 139-47
 CODEN: FRPPAO; ISSN: 0430-0912
 DT Journal
 LA Italian
 CC 10-5 (Microbial Biochemistry)
 Section cross-reference(s): 5
 AB The sensitivity of 69 strains of filamentous fungi (*Aspergillus fumigatus*,
A. flavus, *A. glaucus*, *A. candidus*, *Penicillium*, *Rhizopus stolonifer*,
 etc.) and of 103 yeast strains (*Candida albicans*, *C. krusei*, *C.*
stellatoidea, etc.) isolated from humans, was tested in vitro against
 5-fluorocytosine, nystatin, amphotericin B, ketoconazole, miconazole,
 clotrimazole, econazole, tioconazole, and griseofulvin. Of the fungal
 strains, 35% were sensitive to 5-fluorocytosine and nystatin, and 95% to
 econazole. Of the *Candida* strains, 82% were sensitive to 5-fluorocytosine
 and clotrimazole.
 ST yeast **fungus** fungicide antibiotic; *Aspergillus* fungicide
 antibiotic; *Candida* fungicide antibiotic
 IT *Aspergillus candidus*
Aspergillus clavatus
Aspergillus flavus
Aspergillus fumigatus
Aspergillus glaucus
Aspergillus nidulans
Aspergillus niger
Aspergillus ochraceus
Aspergillus sydowii
Aspergillus versicolor
Candida
Candida albicans
Candida glabrata
Candida intermedia
Candida krusei
Candida langeronii
Candida maritima
Candida stellatoidea
Chaetomium globosum
Epicoccum purpurascens
Eupenicillium
Geotrichum candidum
Hemicella lanuginosa
Microsporum canis
Microsporum gypseum
Mucor pusillus
Penicillium
Rhizopus stolonifer
Rhodotorula glutinis
Rhodotorula rubra
Saccharomyces cerevisiae
Trichoderma viride
Trichophyton mentagrophytes
Trichophyton rubrum
 (antibiotics and fungicides effect on strains of, sensitivity in
 relation to)
 IT Antibiotics
 Fungicides and Fungistats
 (fungi and yeast response to, sensitivity in relation to)
 IT 126-07-8 1397-89-3 1400-61-9 2022-85-7 22916-47-8

23593-75-1 27220-47-9 65277-42-1 65899-73-2
RL: BIOL (Biological study)
(fungi and yeast sensitivity to)

=>

AN 100:99438 CA
 TI Relative inhibition factors - a novel approach to the assessment of
 antifungal antibiotics in vitro
 AU Odds, F. C.; Abbott, A. B.
 CS Dep. Microbiol., Univ. Leicester, Leicester, LE1 7RH, UK
 SO Journal of Antimicrobial Chemotherapy (1984), 13(1), 31-43
 CODEN: JACHDX; ISSN: 0305-7453
 DT Journal
 LA English
 CC 9-10 (Biochemical Methods)
 Section cross-reference(s): 10
 AB A system is described for measurement of relative inhibition factors
 (RIFs) for antifungal agents, i.e., the area under a fixed portion of the
 antifungal dose-response curve, expressed as a percentage of the area
 under the dose-response curve for a theor. noninhibitory substance. The
 RIFs for the 2 polyenes 5-fluorocytosine (5FC) and griseofulvin correlated
 with the known inhibitory activity of these compds. against pathogenic
 yeasts, *Aspergillus* species, and dermatophytes in vitro and in vivo but
 revealed wholly new relative inhibitory properties among 5 imidazole
 antifungals: ketoconazole and tioconazole emerged as the most active
 imidazole antifungals against yeasts and clotrimazole and econazole
 against *Aspergillus* species. Because of the high reproducibility of the
 assay and because tests were done in a tissue culture medium in the
 presence of serum, it is considered that measurement of RIFs could give
 better predictions of likely antifungal activity in vivo than is at
 present afforded by tests for minimal inhibitory concns.
 ST fungicide fungi yeast sensitivity test; antibiotic **fungus**
 sensitivity test
 IT *Aspergillus flavus*
Aspergillus fumigatus
Candida albicans
Candida glabrata
Candida guilliermondii
Candida krusei
Candida parapsilosis
Candida pseudotropicalis
Candida tropicalis
Cryptococcus neoformans
Microsporium canis
Trichophyton mentagrophytes
Trichophyton rubrum
 Yeast
 (antibiotic sensitivity of, relative inhibition factors for assessment
 of)
 IT Fungicides and Fungistats
 (relative inhibition factors for assessment of)
 IT Fungi
 (skin-infecting, antibiotic sensitivity of, relative inhibition factors
 for assessment of)
 IT 126-07-8 1397-89-3 1400-61-9 2022-85-7 22916-47-8
 23593-75-1 27220-47-9 65277-42-1 65899-73-2
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); BIOL (Biological study)
 (antifungal activity of, relative inhibition factors for assessment of)

=>

AN 101:20459 CA
 TI Sensitivity of yeasts and filamentous fungi towards antifungals.
 Comparative in vitro studies
 AU Guglielminetti, M.; Crema, F.
 CS Ist. Micol. Med. "R. Ciferri and P. Redaelli", Univ. Pavia, Italy
 SO Farmaco, Edizione Pratica (1984), 39(5), 139-47
 CODEN: FRPPAO; ISSN: 0430-0912
 DT Journal
 LA Italian
 CC 10-5 (Microbial Biochemistry)
 Section cross-reference(s): 5
 AB The sensitivity of 69 strains of filamentous fungi (*Aspergillus fumigatus*,
A. flavus, *A. glaucus*, *A. candidus*, *Penicillium*, *Rhizopus stolonifer*,
 etc.) and of 103 yeast strains (*Candida albicans*, *C. krusei*, *C.*
stellatoidea, etc.) isolated from humans, was tested in vitro against
 5-fluorocytosine, nystatin, amphotericin B, ketoconazole, miconazole,
 clotrimazole, econazole, tioconazole, and griseofulvin. Of the fungal
 strains, 35% were sensitive to 5-fluorocytosine and nystatin, and 95% to
 econazole. Of the *Candida* strains, 82% were sensitive to 5-fluorocytosine
 and clotrimazole.
 ST yeast **fungus** fungicide antibiotic; *Aspergillus* fungicide
 antibiotic; *Candida* fungicide antibiotic
 IT *Aspergillus candidus*
Aspergillus clavatus
Aspergillus flavus
Aspergillus fumigatus
Aspergillus glaucus
Aspergillus nidulans
Aspergillus niger
Aspergillus ochraceus
Aspergillus sydowii
Aspergillus versicolor
Candida
Candida albicans
Candida glabrata
Candida intermedia
Candida krusei
Candida lusitana
Candida maritima
Candida stellatoidea
Chaetomium globosum
Epicoccum purpurascens
Eupenicillium
Geotrichum candidum
Humicola lanuginosa
Microsporum canis
Microsporum gypseum
Mucor pusillus
Penicillium
Rhizopus stolonifer
Rhodotorula glutinis
Rhodotorula rubra
Saccharomyces cerevisiae
Trichoderma viride
Trichophyton mentagrophytes
Trichophyton rubrum
 (antibiotics and fungicides effect on strains of, sensitivity in
 relation to)
 IT Antibiotics
 Fungicides and Fungistats
 (fungi and yeast response to, sensitivity in relation to)
 IT 126-07-8 1397-89-3 1400-61-9 2022-85-7 22916-47-8

23593-75-1 27220-47-9 65277-42-1 65899-73-2

RL: BIOL (Biological study)

(fungi and yeast sensitivity to)

=>

AN 123:52084 CA

TI Antifungal properties of essential oils and their main components upon
Cryptococcus neoformans

AU Viollon, Catherine; Chaumont, Jean-Pierre

CS Laboratory Botany, Faculty Medicine and Pharmacy, Besancon, Fr.

SO Mycopathologia (1994), 128(3), 151-3
CODEN: MYCPAH; ISSN: 0301-486X

DT Journal

LA English

CC 10-5 (Microbial, Algal, and Fungal Biochemistry)

AB Cryptococcus neoformans opportunistic **fungus** present in the last
phases of AIDS is inhibited in vitro by several essential oils on natural
volatile compds. The minimal inhibitory concn. may reach 100 .mu.1/L and
the minimal fungicidal concn. 200 .mu.1/l with palmarosa or cinnamon oil.
Among phenolic compds., thymol and carvacrol were the most fungitoxic.
Terpenoids, citral, geraniol, and citronellol showed the best activities.

ST antifungal essential oil Cryptococcus; phenol essential oil antifungal
Cryptococcus; terpenoid essential oil antifungal Cryptococcus

IT Cryptococcus neoformans
Fungicides and Fungistats
(antifungal properties of essential oils and their main components on
Cryptococcus neoformans)

IT Phenols, biological studies
Terpenes and Terpenoids, biological studies
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
(Uses)
(antifungal properties of essential oils and their main components on
Cryptococcus neoformans)

IT Essential oils
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
(Uses)
(cajeput, leaf; antifungal properties of essential oils and their main
components on Cryptococcus neoformans)

IT Essential oils
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
(Uses)
(tea, leaf; antifungal properties of essential oils and their main
components on Cryptococcus neoformans)

IT Essential oils
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
(Uses)
(cinnamon, bark; antifungal properties of essential oils and their main
components on Cryptococcus neoformans)

IT Essential oils
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
(Uses)
(clove, bud; antifungal properties of essential oils and their main
components on Cryptococcus neoformans)

IT Essential oils
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
(Uses)
(cumin, fruit; antifungal properties of essential oils and their main
components on Cryptococcus neoformans)

IT Essential oils
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES

(Uses)

(geranium, leaf; antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)

IT Essential oils

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(lavender, flower; antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)

IT Essential oils

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(marjoram, flower; antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)

IT Essential oils

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(mint, *Mentha*, leaf; antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)

IT Essential oils

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(origanum, flower; antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)

IT Essential oils

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(palmarosa, antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)

IT Essential oils

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(sage, *Salvia officinalis*, leaf; antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)

IT Essential oils

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(sandalwood, antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)

IT Essential oils

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(sassafras, root; antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)

IT Essential oils

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(savory, antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)

IT Essential oils

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(thyme, *Thymus vulgaris*, antifungal properties of essential oils and

their main components on *Cryptococcus neoformans*)

IT Essential oils

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(vetiver, antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)

IT 78-70-6 79-77-6, .beta.-Ionone 89-80-5, Menthone 89-83-8, Thymol 97-53-0, Eugenol 99-49-0, Carvone 106-22-9, Citronellol 106-24-1, Geraniol 106-25-2, Nerol 488-10-8, cis-Jasmone 499-75-2; Carvacrol **4602-84-0**, Farnesol 5392-40-5, Citral 11031-45-1, Santalol 68129-81-7, Vetiverol

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)

=>

AN 81:145848 CA
 TI Antimycotic properties of clotrimazole
 AU Plempel, M.; Bartmann, K.; Buechel, K. H.; Regel, E.
 CS Bayer Res. Lab., Wuppertal-Elberfeld, Fed. Rep. Ger.
 SO Postgraduate Medical Journal, Supplement (1974), 50(1), 11-12
 CODEN: PMESAJ; ISSN: 0370-0593
 DT Journal
 LA English
 CC 1-5 (Pharmacodynamics)
 Section cross-reference(s): 3
 AB Clotrimazole [23593-75-1] was fungistatic to a broad spectrum of pathogenic fungi in vitro, and fungicidal effects were obsd. at concns. in excess of 10-20 .mu.g/ml. In animal models, locally and orally administered clotrimazole was effective against dermatomycoses, candidiasis and sporotrichosis. The min. inhibiting concns. of clotrimazole in vitro depended on the size of the inoculum, and increased with increasing incubation time. For dermatophytes, molds, and budding fungi, secondary development of resistance to clotrimazole was either very slow or did not occur at all.
 ST clotrimazole antimycotic; **fungus** infection clotrimazole
 IT Fungi
 (clotrimazole sensitivity of)
 IT Mycosis
 (dermato-, clotrimazole treatment of)
 IT Candida
 Sporotrichum
 (infection with, clotrimazole treatment of)
 IT **23593-75-1**
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
 (antifungal activity of)

=>

AN 102:154827 CA
 TI Antibiotic composition for veterinary use
 IN Speecke, Andre
 PA S.S.M. International Chemical Co. Ltd., St. Vincent
 SO PCT Int. Appl., 8 pp.
 CODEN: PIXXD2
 DT Patent
 LA French
 IC A61K037-02; A61K031-65
 ICI A61K037-02, A61K031-65, A61K031-43
 CC 63-6 (Pharmaceuticals)
 Section cross-reference(s): 17

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8404249	A2	19841108	WO 1984-BE12	19840502
	WO 8404249	A3	19850314		
	W: DK, JP, US				
	RW: AT, BE, CH, DE, FR, GB, LU, NL, SE				
	ZA 8403277	A	19841224	ZA 1984-3277	19840502
	EP 150186	A1	19850807	EP 1984-901729	19840502
	R: AT, BE, CH, DE, FR, GB, LI, LU, NL, SE				
	CA 1221635	A1	19870512	CA 1984-453413	19840502
	JP 01500746	T2	19890316	JP 1984-501885	19840502
	DK 8500035	A	19850103	DK 1985-35	19850103
PRAI	LU 1983-84786		19830503		
	WO 1984-BE12		19840502		

AB An antibiotic compn. comprising oxytetracycline-HCl [2058-46-0], procaine benzylpenicillin [6130-64-9], and colistin sulfate [1264-72-8] has a combined synergistic activity against mycosis caused by **fungus**, pneumonia, necrosis and peritonitis. Thus, a compn. contained oxytetracycline-HCl 926, procaine benzylpenicillin 24,000, and colistine sulfate 10-100 mg and Povidone, a constituent of the solvent and water to 1 mL. This was then mixed with a compn. prepd. from Mg formaldehyde bisulfite 7, MgO 7, Me p-hydroxybenzoate 0.68, **vitamin A** 3.5, and Pr p-hydroxybenzoate 0.12 mg and diluents CM-cellulose and Povidone dissolved in 12 mg propylene glycol.

ST antibiotic pharmaceutical veterinary; mycosis antibiotic veterinary; peritonitis antibiotic veterinary; necrosis antibiotic veterinary; pneumonia antibiotic veterinary

IT Fungicides and Fungistats
 (synergistic antibiotic compns., for veterinary use)

IT Antibiotics
 (synergistic veterinary compns.)

IT Necrosis
 Pneumonia
 (treatment of, with synergistic veterinary antibiotic compns.)

IT Peritoneum
 (disease, peritonitis, treatment of, with synergistic veterinary antibiotic compns.)

IT 1264-72-8 2058-46-0 6130-64-9
 RL: BIOL (Biological study)
 (synergistic antibiotic pharmaceuticals contg., for veterinary use)

AN 113:112327 CA
 TI Antibacterial and antifungal properties of essential oil components
 AU Knobloch, Karl; Pauli, Alexander; Iberl, Bernard; Weigand, Hildegunde;
 Weis, Norbert
 CS Inst. Bot. Pharm. Biol. Aromagarten, Univ. Erlangen-Nurnberg, Erlangen,
 D-8520, Fed. Rep. Ger.
 SO Journal of Essential Oil Research (1989), 1(3), 119-28
 CODEN: JEOREG; ISSN: 1041-2905
 DT Journal
 LA English
 CC 10-5 (Microbial Biochemistry)
 Section cross-reference(s): 11, 62
 AB The soly. in water of essential oil constituents is directly related to
 their ability to penetrate the cell walls of a bacterium or **fungus**
 . The antimicrobial activity of essential oils is due to their soly. in
 the phospholipid bilayer of cell membranes. Terpenoids which are
 characterized by their lability have been found to interfere with the
 enzymic reactions of energy metab.
 ST essential oil soly antimicrobial; bactericide essential oil soly;
 fungicide essential oil soly
 IT Oils, essential
 RL: BIOL (Biological study)
 (bactericidal and fungicidal activity of components of, soly. effect
 on)
 IT Terpenes and Terpenoids, biological studies
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); BIOL (Biological study)
 (bactericidal and fungicidal activity of, soly. effect on)
 IT Solubility
 (of essential oil components, bactericidal and fungicidal activities in
 relation to)
 IT Terpenes and Terpenoids, biological studies
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); BIOL (Biological study)
 (aldehydes, bactericidal and fungicidal activity of, soly. effect on)
 IT Microbicidal and microbiostatic action
 (bactericidal, of essential oil components, soly. effect on)
 IT Terpenes and Terpenoids, compounds
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); BIOL (Biological study)
 (esters, bactericidal and fungicidal activity of, soly. effect on)
 IT Microbicidal and microbiostatic action
 (fungicidal, of essential oil components, soly. effect on)
 IT Terpenes and Terpenoids, biological studies
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); BIOL (Biological study)
 (hydroxy, bactericidal and fungicidal activity of, soly. effect on)
 IT Terpenes and Terpenoids, biological studies
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); BIOL (Biological study)
 (oxo, bactericidal and fungicidal activity of, soly. effect on)
 IT Biological transport
 (permeation, of microbial cell walls, by essential components)
 IT Aldehydes, biological studies
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); BIOL (Biological study)
 (terpenoid, bactericidal and fungicidal activity of, soly. effect on)
 IT 76-22-2, Camphor 76-49-3, Bornyl acetate 78-70-6, Linalool 80-56-8,
 .alpha.-Pinene 87-44-5 89-78-1, Menthol 89-80-5, Menthone 89-81-6,
 Piperitone 89-82-7, Pulegone 89-83-8 93-15-2, Methyl eugenol
 97-53-0, Eugenol 99-48-9, Carveol 99-49-0, Carvone 99-85-4,
 .gamma.-Terpinene 99-87-6, p-Cymene 104-55-2, Cinnamaldehyde

106-22-9 106-23-0 106-24-1 106-25-2, Nerol 115-95-7, Linalyl
acetate 120-57-0, Piperonal 121-33-5 127-91-3, .beta.-Pinene
138-86-3, Limonene 140-67-0, Methyl chavicol 470-82-6, 1,8-Cineole
499-75-2, Carvacrol 507-70-0, Borneol 4180-23-8, trans-Anethole
4602-84-0, Farnesol 5392-40-5, Citral 29714-87-2, Ocimene
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); BIOL (Biological study)
(bactericidal and fungicidal activity of, soly. effect on)

=>

AN 113:112327 CA
 TI Antibacterial and antifungal properties of essential oil components
 AU Knobloch, Karl; Pauli, Alexander; Iberl, Bernard; Weigand, Hildegunde;
 Weis, Norbert
 CS Inst. Bot. Pharm. Biol. Aromagarten, Univ. Erlangen-Nurnberg, Erlangen,
 D-8520, Fed. Rep. Ger.
 SO Journal of Essential Oil Research (1989), 1(3), 119-28
 CODEN: JEOREG; ISSN: 1041-2905
 DT Journal
 LA English
 CC 10-5 (Microbial Biochemistry)
 Section cross-reference(s): 11, 62
 AB The soly. in water of essential oil constituents is directly related to
 their ability to penetrate the cell walls of a bacterium or **fungus**
 . The antimicrobial activity of essential oils is due to their soly. in
 the phospholipid bilayer of cell membranes. Terpenoids which are
 characterized by their lability have been found to interfere with the
 enzymic reactions of energy metab.
 ST essential oil soly antimicrobial; bactericide essential oil soly;
 fungicide essential oil soly
 IT Oils, essential
 RL: BIOL (Biological study)
 (bactericidal and fungicidal activity of components of, soly. effect
 on)
 IT Terpenes and Terpenoids, biological studies
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); BIOL (Biological study)
 (bactericidal and fungicidal activity of, soly. effect on)
 IT Solubility
 (of essential oil components, bactericidal and fungicidal activities in
 relation to)
 IT Terpenes and Terpenoids, biological studies
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); BIOL (Biological study)
 (aldehydes, bactericidal and fungicidal activity of, soly. effect on)
 IT Microbicidal and microbiostatic action
 (bactericidal, of essential oil components, soly. effect on)
 IT Terpenes and Terpenoids, compounds
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); BIOL (Biological study)
 (esters, bactericidal and fungicidal activity of, soly. effect on)
 IT Microbicidal and microbiostatic action
 (fungicidal, of essential oil components, soly. effect on)
 IT Terpenes and Terpenoids, biological studies
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); BIOL (Biological study)
 (hydroxy, bactericidal and fungicidal activity of, soly. effect on)
 IT Terpenes and Terpenoids, biological studies
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); BIOL (Biological study)
 (oxo, bactericidal and fungicidal activity of, soly. effect on)
 IT Biological transport
 (permeation, of microbial cell walls, by essential components)
 IT Aldehydes, biological studies
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); BIOL (Biological study)
 (terpenoid, bactericidal and fungicidal activity of, soly. effect on)
 IT 76-22-2, Camphor 76-49-3, Bornyl acetate 78-70-6, Linalool 80-56-8,
 .alpha.-Pinene 87-44-5 89-78-1, Menthol 89-80-5, Menthone 89-81-6,
 Piperitone 89-82-7, Pulegone 89-83-8 93-15-2, Methyl eugenol
 97-53-0, Eugenol 99-48-9, Carveol 99-49-0, Carvone 99-85-4,
 .gamma.-Terpinene 99-87-6, p-Cymene 104-55-2, Cinnamaldehyde

106-22-9 106-23-0 106-24-1 106-25-2, Nerol 115-95-7, Linalyl
acetate 120-57-0, Piperonal 121-33-5 127-91-3, .beta.-Pinene
138-86-3, Limonene 140-67-0, Methyl chavicol 470-82-6, 1,8-Cineole
499-75-2, Carvacrol 507-70-0, Borneol 4180-23-8, trans-Anethole
4602-84-0, Farnesol 5392-40-5, Citral 29714-87-2, Ocimene
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); BIOL (Biological study)
(bactericidal and fungicidal activity of, soly. effect on)

=>

N 120:321664 CA

TI Antimycotic effect of cardamom essential oil components on toxigenic molds

AU Badei, A.Z.M.

CS Fac. Agric., Cairo Univ., Giza, Egypt

SO Egyptian Journal of Food Science (1992), 20(3), 441-52
CODEN: EJFSAI; ISSN: 0301-8571

DT Journal

LA English

CC 17-5 (Food and Feed Chemistry)

AB The inhibitory effect of cardamom (*Elettaria cardamomum*) essential oil and its major chem. components (1,8-cineol, .alpha.-terpinyl acetate, DL-limonene, and linalool) on the growth of 7 toxigenic mold strains (*Aspergillus flavus*, *A. parasiticus*, *A. ochraceus*, *Penicillium* species, *P. roquefortii*, *P. patulum*, and *P. citrinum*) and aflatoxins produced by *A. parasiticus* (aflatoxins B1, B2, G1, and G2) was obsd. Twenty five compds. were sepd. from the essential oil; .alpha.-terpinyl acetate had the strongest antifungal effect.

ST cardamom essential oil fungi aflatoxin inhibition

IT Aflatoxins
RL: BIOL (Biological study)
(inhibition of prodn. by toxigenic molds of, by cardamom essential oil and its chem. components)

IT *Aspergillus ochraceus*
Aspergillus flavus
Aspergillus parasiticus
Mold (**fungus**)
Penicillium
Penicillium citrinum
Penicillium patulum
Penicillium roquefortii
(inhibition of, by cardamom essential oil and its chem. components)

IT Essential oils
RL: BIOL (Biological study)
(cardamom, toxigenic mold growth and aflatoxin formation inhibition by, and its chem. components)

IT 1162-65-8, Aflatoxin B1 1165-39-5, Aflatoxin G1 7220-81-7, Aflatoxin B2 7241-98-7, Aflatoxin G2
RL: OCCU (Occurrence)
(inhibition of prodn. by *Aspergillus parasiticus* of, by cardamom essential oil and its chem. components)

IT 79-92-5P, Camphene 80-56-8P, .alpha.-Pinene 87-44-5P, Caryophyllene 99-83-2P, .alpha.-Phellandrene 99-84-3P, Cyclohexene, 4-Methylene-1-(1-methylethyl)- 99-85-4P, .gamma.-Terpinene 99-87-6P, p-Cymene 106-22-9P, Citronellol 106-24-1P, Geraniol 106-25-2P, Nerol 115-95-7P, Linalyl acetate 123-35-3P, Myrcene 127-91-3P, .beta.-Pinene 138-87-4P, .beta.-Terpineol 141-12-8P, Neryl acetate 142-50-7P, Nerolidol 555-10-2P, .beta.-Phellandrene 586-62-9P, Terpinolene 586-82-3P, Terpinen-1-ol 3387-41-5P, Sabinene **4602-84-0P**, Farnesol 5392-40-5P, Citral 5989-27-5P, d-Limonene 13466-78-9P, .DELTA.3-Carene
RL: PREP (Preparation)
(of cardamom essential oil, inhibition of growth and aflatoxins prodn. by toxigenic molds in relation to)

IT 78-70-6P, Linalool 80-26-2P, .alpha.-Terpinyl acetate 138-86-3P, DL-Limonene 470-82-6P, 1,8-Cineol
RL: PREP (Preparation)
(of cardamom essential oil, inhibition of growth of and aflatoxins prodn. by *Aspergillus parasiticus* with)

=>

FILE 'REGISTRY' ENTERED AT 15:32:03 ON 04 AUG 2003

L1 75 S FARNESOL → L24
L2 1 S HEXANOYL SPHINGOSINE
L3 0 S OLEOYL BETAINE
L4 55 S URSOLIC ACID
L5 165 S IONONE
L6 0 S UTRECT-2
L7 1 S UTRECHT 2
L8 5 S BIFONAZOLE
L9 6 S CLOTRIMAZOLE
L10 5 S KETOCONAZOLE
L11 15 S MICONAZOLE
L12 0 S DAIZEDEIN
L13 51 S DAIDZEIN
L14 75 S GENISTEIN
L15 0 S PHYTOESTRAGEN
E PHYTOESTROGEN
L16 3 S E3

FILE 'CA' ENTERED AT 15:42:33 ON 04 AUG 2003

L17 10486 S RETINOL
L18 0 S GLUTAMASE TRANSAMINASE
L19 189 S GLUTAMATE TRANSAMINASE
L20 0 S L19 AND L17
L21 19649 S TRANSAMINASE
L22 24 S L21 AND L17
E DERMAL
L23 11755 S E3-E11

240 61 10 18 (19)
L44 - 161 (14) 13 (10) (6) (3)
L45 (21) (19) 17 16 (9)
L46 40 37

10/184,068